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gggtacggct	gcgagaagac	gacagaaggg	gacaatcgag	tagtactccc	gattgaagcc	300
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<210> 1619	<211> 429	<212> DNA	<213> Homo sapien			
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<210> 1626	<211> 317	<212> DNA	<213> Homo sapien		
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tgataacatt	tgttacttta	tttttaatga	tttttttaca	gtagttatga	cagtagggtg	240
gttatggaat	tggaatttta	actcccaact	aatgagctta	agctgcttgg	aatattaatt	300
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gaaagcttgt	ggaagatggt	ggaatcatcc	atcctgaaaa	ttgaagtctt	ctgtttatta	300
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gaaagccttg	ggaagatggt	ggaatcatcc	attcctgaaa	atgaaagtct	tctgtttatc	300
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395

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405

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406

<210> 1854<211> 408<212> DNA<213> Homo sapien

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408

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396

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402

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394

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402

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159

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403

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402

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440

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413

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398
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387
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385

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397

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180ttttttaata gagacggggt ttcactgtgt tggccaggct ggtctcgaa acctgacctc
240agggtgatcca ttcgtcttgg cctctcgaag tgctgggatt ccaggcgtga gccactgagg
300ccagcacatt tccactttta gatccctactc cataccacag gtttcattta agaagaaaga
360gctagataaa tgtgctcttc tggttacccc accctgacag agtgcatttt tacacggcta
420gcaggggttg agactgcagc ctggcctgcc agccattgga ggtgg

465

<210> 1877<211> 388<212> DNA<213> Homo sapien

cggtgctgtc ggtgtaagac aatcagatat ggtgaggcct gtgttaaact gggcatcttg
60ttgccatata gaagagatct tctcttctta cggatttatt tctctttttt cgtgctttgt
120agcaaacata agacattttt agcacacctc tcttttaata gtactattct tgtgtggcaa
180gtactattct tgtgtgacaa gagaactact gagccacaga gtgacgatca aaagctaggc
240gtggaataaa ggtgtacaaa ccagctttgt gaccttgtgc aatcactgca cctgcctggc
300ctcaactttc tcattgataa cataagaata gcaatgatgc tttctttata gggctgagg
360gacgattaag agttaatata gaacttag

388

<210> 1878<211> 429<212> DNA<213> Homo sapien

ggcagagcg ccggccccag tccccatggg ctgaaggcag gttgagttct tccccaggtc
60tgcgagcctc gaaggcttct ttcagacagc agaccctta caagcgcaag gctgctttct
120gacaaagaat caagtgttcc tttcaaccag ccaagggact ggtgttctcg ctgacctttt
180gacagctcca gccggtccct ccgttcgagg tccctgactt cctgcaacag actgagatgg
240ccttctgagc ttttccaggg ctgacgacca ccttcttgat accctccctc ctctcgatct
300gaatccgtgc ccaccagatg gggccgtcta gttgcaggaa aacaagctca gggctccac
360tgattctaca tgatgggaat ccaggcttcc ggagatgagg actgggaggt cccccacca
420cacaagcct

429

<210> 1879<211> 433<212> DNA<213> Homo sapien

cgttgctgtc gggagctgct cccaccttcc tgacctacc ctgctgcacc attccccag
60ctgggctgga aggttccata actggccagc tgccccata actggcagca tccccagacc
120cagggtactc taataggggc ggctcaggca ctgagactac cgctcaacc caggggtggtt
180ttcaggagtc cgaggtagcc ttcaatcact ggactccatg gccttccctt cgtgttgacc
240ggaccttctc tccagggctt ttcctttggg ggaggcggag aggggagaag aaggaaggga
300agggcagaag gaaggaggga agaaaagaaa gcaaaggaa agaaggaaag aaagaaagat
360gggagggaag gcagcaggaa tagcaccctc tccccgggag gccctagctt ccgtgagggg
420ccatcaccag ccn

433

<210> 1880<211> 422<212> DNA<213> Homo sapien

cctagcggcg ccgggtggc tgcagccgct ggcccgaaaa tgctgctcgg gcgagcaggg
60gtcaggcggg aaaagaggac tccaaatcca ttctctgtc gcccccagg caatgctgcc
120aggagaggga gtgggttccc ccgaggcta tcccaccgat ggggctgaga gcttaactcg
180gggttttatt tgaattggag acattgttcc ctcttcgctc ctctacccca taaaattccc
240tacaatgca aaaattccag atagaagaag ccgtccctga aagtaagttc tgaaggattc
300ctttcatgcy gtgaaggaa aacaacaata ttcaacttca ccttggtgtg tgagggtcga
360cgtgctttac aacactatcc ctgtagaaag attactgaaa tgtattggaa gaagtagtgg
420ag

422

<210> 1881<211> 418<212> DNA<213> Homo sapien

gtgagccgag attgcgccac tgcagtccgc agtccggcct gggcgacaga gcgagactcc
60gtctcaaaaa aaaaaaaaaac ctgcccgggg ggataaaaaa cccggggcct ttggcccagt
120ttgggaagtt ttatggggga agaattgtta aactaaagcc ctttaggggtg gcggggcttt
180ttaataatcc cgttttttac aacctgggca aaaaaataaa accccctttt ttaaaaaag
240aatattggcca aaacaagggg ccttaaccct tgaatcccaa ctttttgggg ggggtggaccg
300gaaccatttg agtaaagaat ggggaaacag gccttgacaa aaaagcgaag acccattttt
360tcaaaaacca aaaaggtaaa aaaaaattgg gtacgggggc ccagccctgg aaacccaa

418

<210> 1882<211> 417<212> DNA<213> Homo sapien

cgttgctgtc ggaacatggt tttggctatg gcttgactca tgggctttca gtgctttttt

60ccatttggtg aaagtaacat ttctctctct ctctctttct attttttctt tttcaaaagc
120aaacattggg tggggaagg gtcaaagcta ctttttgccg tattgggttt tttggccacc
180cttccctttt ccaatggaag gccaggtaaa aaaaaccgcg ggaggggCGG ctcatTTTTT
240taatttttaa aaaagggggc cccagggtgg caaggcaata aaattggaaa tgacctttt
300gagaactttc gtttttgctt aaaaaacagc gggttgatga gaactcaaaa acctaaaaaa
360gatttttagtc aaaggagggg ctctttttct caccggacct ttaaaaaaaa aatggcg

417

<210> 1883<211> 393<212> DNA<213> Homo sapien

ggcacgaggt gagctcttgg caggacctaa acctccttgg aagataggca gaaagctctc
60gacaccattc catggccac gaaccaatgt aagatgagca aatggcttga aggaattgct
120acctccaggt caagccagg atgcagcact gccgagacca cgtttgtgcc aagcactggg
180ctggaccctg tgcagaacca aatgaacaag gcacgttccc ctttcagcac taacggcact
240gtaagaacag ggagaagtgg aatctaactt ggctgaggg tagaggggtga tcagctaagt
300ctgaaacacc atgtaaaaac ttgccatgta tggccgggCG cgttggtca cgctgtaat
360cccagcgctt tgggaggcca aggtgggCG atc

393

<210> 1884<211> 185<212> DNA<213> Homo sapien

cgctctcatt gattagtga acggaccttc caaacctggc ttataagaag ctaaaaggca
60aaagtccagg aattatcttc atccctggct atctttctta tatgaatggt acaaaagcgt
120tggcgattga ggagtttgc aaatctctag gtcacgcctg cataagggtt gattactcan
180gagtt

185

<210> 1885<211> 392<212> DNA<213> Homo sapien

cgttgctgtc ggctgaaggc tcatgaagct gaaatgtggg aagttcactt tcgcgccatc
60cagcccagaa catcttttta cctgctctga agatggatcc ctctggcact gggatgcttc
120cacagatgta cctgaaaagt cgtcactctt tcaccaagggt aaaacttttt aatgaatact
180gttatgtgta cttttttttt ttttttttaa aacaaagtct ctttttatcc cccaggtga
240aaggcagggg cccaatttcg gttaattgaa acctccgcct ccgggggttaa agcaattttg
300gggcctcacc ctcccaagaa gccgggacta ttatttttgc cccccggcc cgggctaatt
360tttttgTTTT ttaaggggaa aggggggtccc ct

392

<210> 1886<211> 413<212> DNA<213> Homo sapien

taaggccac agcacatata gactgactgc gatattctat tttcatggca gggagtgate
60aggaagaagg cttcctaggg gactggcgat ttaaaccagt tgagaaacac tgccatcagc
120aggcagtttc agactcactc aagttgtctc ttgacagtca cttctaaatg ggttctaagt
180tgacaatggc ctccaaaact acagccttcc ctgaagttaa agctgtgacc ttagatttta
240gaaggacagt ggggctgtac ctagaatagt ggttctcgaa gaatgcggcc tgcagatcct
300gggagtecca agacccttcc agggaggatc tgtgaggtca actgttggca ctgtggcatg
360aatcaagggtg gtggcagcaa acttctagta gttttgatat gtccttgata gan

413

<210> 1887<211> 387<212> DNA<213> Homo sapien

ggcacgagcc agccttgaac ttctgggac aagtgatctt cctgccttag ccttctgagt
60agctgggacc acaggctcat gccaccacac ctggctctaa cctgaaattt tcaatatgat
120cataataacc ccagcgtgtg ttaacctaca gattgtcct taaaactcaa ttgcttttagc
180agcttttaag atcctcccca tcccttacta ctcacctttt aggtgtgata tcattccagc
240cctaagctcc agagagcctg gttcaaatgg aactacagt tttttccatg cgtatttaat
300gtcacagaa caaaccccaa tagaccacaa ccttactca gactaacaca gcattctact
360tgcctggcag gttcacagat cataaat

387

<210> 1888<211> 422<212> DNA<213> Homo sapien

tgcacgagga gagagagaga gagagagaga gagatagaga gagagagaga gagagagaga
60gagagagaga gagagagaga gagacagaga gagagagaga gagagagaga gagagagaga
120gagagagaga gcgagcgaga gagagagaga gagagagaga gagagagtga gcccccccc
180ccccccgcac ccattgtcgc ctgtgtgttt ttttgtgtc gggccctgt ccccccccg
240atctgttctt ttctatccat ccacatgctt gtgtgtgtat cctaaccctc agagtcttga
300cttccagagc tcacttttcc ttattgcttg tgtgggCG cgcctttttt ttttcttct

360gtctagaccc acgctctctc tccttgtatt ccctgcgttg ggctgaggac accccgcacc
420ct

422

<210> 1889<211> 410<212> DNA<213> Homo sapien

ggcacgaggt gaccttgcca tgcacatat ctcgaggcac gagatatcac agtgctcctgc
60tgaggatagt catttgata tcttatttaa agtgggtgtct gtcaagcttt cccaccgtag
120gttgccttat ttcctttgaa atgaacaagt aattgtgggg cgattttttc ggactatatt
180catatgtttt gactcatcaa attgtcacct cctagattgg gcatgcattg atgattctta
240cccaagtcaa gtattattac aatgggtgtc agatggcaat cttctaattt catttgtgca
300tctgcgcccc tcaattggca ttctacgaaa atatggagcc gtcgtgagct tgcacacct
360tgtgcaagag ctatggctat gctgagcttc tccacatatt tacaactatg

410

<210> 1890<211> 402<212> DNA<213> Homo sapien

ggcacgagat atctctacaa ccttgtctcc acaagttatt aatgaagtgt ggcaagaaga
60aacaattggg cgtctactac aacttgtaga ccttccactt cttgactcct tactgaaaca
120gcaagaggct gtacctaataa ttctcaacc taagaggcag tccaccatgg tcaacagcag
180taactatctg gatcgaggga ttctcaaggc ttatagtgcac tctcaggaag atgagtggct
240ctcggcagca attgactgtt tagaatacct tccagaccaa atgggtgggtg aaataagcag
300aagctttcct gagcaaccag accgaacaga cttagtgaag gaacttctgt ttgatgccat
360tggcagatat tacagtagta gggaacctct gttaaatacac tt

402

<210> 1891<211> 412<212> DNA<213> Homo sapien

ggcacgagcc gtgttaggct tcgctggcgt aaagtccccg ggagctttgc ccctcacgga
60gaacgttagt tgacctgat ggggacctgt agggtaaagg ttttgttttt gttttttttt
120acggaaaaagg ttgtggttag gcccttgga aagttagcac aaaactcgag ttagacaagg
180aaggtcggaa ctaagtggcc acagcaacaa tgcaccagca agcagggagc gtgataggaa
240gagctaaaaga ggaatcggga aacctggag atgggtttca ccatgtttcc cagccttgct
300tcaaactcct gacctcaagt gatccgcgt cttgggtctt cgaaagtgtc gggacagcag
360gagttagcca ccgcatctgg cccggaaggt gttttggagc gtagaaaaat gg

412

<210> 1892<211> 399<212> DNA<213> Homo sapien

cgttgctgtc ggatccatgt ggaacagagc cagctggggg gttgggcagc tctctccaag
60gcagtaccta gagcccagct gaacaacaag gctttgggtg tgaaggagct cccagcctg
120gagaccctat ttggctgaaa cagttacaaa atatcaaatg tgtgtcaga tattcctcca
180attgttcaca tagctgggat atttgtgtct cccctcaccc cttggattat gtaggagcc
240agtgcacaca gcctgtttgt tttagtatcc aaggaagaga ccaaggagcc agctggcggg
300aaggggtggg gtgtgcaanc tgccctgtcc ttctgctcat aacctgacaa aatgccaaac
360tagcaagcag gatagctgat accacggcta tgaggaggt

399

<210> 1893<211> 394<212> DNA<213> Homo sapien

ggcacgagag agagcttacg aggtttgatg tactttgact acttgactca ttctttaata
60atcttccact tgccctgcgc caaaactgat taaagggaaa agacttatac acatagaagc
120acataaaata aatgtacgca ttaaggagcc gcacgatgat aagggaagga aaatattaat
180attatgaagc cgggttccag tcgcattgct tgatgtgagc catatattta gctctcagcc
240tcttggttg cacagcaaaa aggcaaacgt gaatcacata gtgtagacga agaataaaac
300acttcttgct catgggttcc atccagagcc tcacaatgtt tacagatgtg tctgactcat
360aatgtgagtg ctggctccta agatccacaa aggn

394

<210> 1894<211> 162<212> DNA<213> Homo sapien

atgttaaatg gccagttaac cactgggaga gcatccggac agacgtttcg ccaagatggg
60tggaatggcc agttaaccac tgggagagca tccggacaga cgtttcgcca agatgggttg
120gatggccagt taaccactgg gagagcatcc ggacagacgt tt

162

<210> 1895<211> 396<212> DNA<213> Homo sapien

ggcacgagcc aatgagctac tctgacact aatggagaag tgtgccctca tggaagccct
60ggttctcatt agcaaccaat ttaagaacta cgagcgtcag aaggtgttcc tagaggagct

120gatggcacca gtggccagca tctggctttc tcaagacatg cacagagtgc tgtcagatgt
180tgatgctttc attgcgtatg tgggtacaga tcagaagagc tgtgacccag gcctggagga
240tccgtgtggc ttaaacctg cagcaatgag cttttgtgta tacagcattc tgggtgtggg
300gaaacgaact tgctggccca ctgacctaga agaggccaaa gctgggggat ttgtgtggg
360ttatacatcc agtggaatc caatcttccg taacct
396

<210> 1896<211> 409<212> DNA<213> Homo sapien

ggcacgagaa tgactctgtt attaaagggtg gcattggagac tgtggaggga atatttttta
60aagcactact catatccttt aaactaaatt ttgccaaagc ccgagacaac attaaggaga
120aattgtacct taagttagta attccaaatc tatctgagtt gtatacccat caaagacaat
180acagctatta tcatagatga aggtatgcta taggcattgat tcattatctc tatattgaat
240aggtgaaaga taactgtagt caggtgaaag gcattcatta tttttaagct gaaaagggga
300tccttgaaaa cactgaaaac ctctacaaca atcttcagga agcctgctat cttgggattc
360actaataata ggccaagaac aaaggcgagc atccattcct cactccacg
409

<210> 1897<211> 433<212> DNA<213> Homo sapien

ggcacgaggg gcaaacctgg agaaccctcc taaatccata gagttttcaa aatgtgaatc
60tttggaagcc ttgagttcag aatctgctgc tctggaatat ttcccttcga tcttatctca
120gtcacttcgt ttttgagaag agtgatgcct tgggcatgct tttttttttt tcttttttaa
180aaaacagggg gttgaagccc accctattta aaaaccccc cttttggaga attacaaggg
240ttttgtcctg aattggaggg tgggcaagcc caagccactc gggctaactg gttttgtct
300cggnggctat tccaagaaca aaaggaggaa gttggcccat taccgggggt gtcctggat
360gttgtttggg ggcgcgtgcc tttcaaaaac cccgcccaa aacaaccgg gaagggggag
420ggccccgctt ccn
433

<210> 1898<211> 399<212> DNA<213> Homo sapien

ggcacgagga aggcctaccg acttacttta tcattgaggg cttactgata caatgaaatg
60agtttcatga cttttttttt ttttaacccc ttttgaaaa aaagggggct ggggtaaaaa
120ccaaaaatat ccttgttgct tttgaaaaga aggcattgaa acaactttt ttgtagccag
180gggttaaaaaa acggaccggg ttgggccctt cttggttaagg ggggacttca gggccccgg
240aaggccggtt tgggggtaac ctgaggggga cacaggccct ggggggggag ggttttttta
300actggttacc cgggcccata ggcagacttt ttaaaaaaag gtccttgaag ggggatgtgc
360aaagacatgc gggcccgcct aaaagcgagg attaaaaan
399

<210> 1899<211> 417<212> DNA<213> Homo sapien

ctgctccac tgtctttttt tgtttttttt ttacaaccct taaaaaacgg gcttgccatt
60ctcaccccaa gcttcatggt acacaagccg cagcagccag actgtagctt gccaacactt
120gctagaccat tgctcttcat gttcaaactg ccagtcagga gcacaaggac caggaagtgg
180cctgacttgg ccaggaccac tcagcccat acagttagga ggagcggcca gatctcagcc
240ccatccactt gggaagtacg gagaggcagt gaacacatca cctgaaagtc agaggtcttg
300cgaaatcacc accaaagcat gtattttgtac aggtaatagt gctgagagtt caacagagga
360cagggagaag gtgacctgtg aagactgtgc agggaggag gacagccact cagggag
417

<210> 1900<211> 401<212> DNA<213> Homo sapien

ggcctcagaa gctctgggtg tgccagagga cccccagaac taacaaggga gggcgagtgg
60gtctccattc cccgagaagc caggggcagg gtgggatggg gaagaccagg agcagagtcg
120agcctcacag aagccagcgc ggtctctgc tcagcaccac agccggggct ctggaccag
180ggtaacagcc ccagttcatc ccaaccctc tcagagcctc aagaggggta gctcggtgc
240cggaagagag gggagcccta tccctggcaa cccctccacg tagcgtaccc cagcactgc
300caccggcttt gccatttctt tgagcttgaa gtttaactctc ttagagtcta actgtggttc
360atttctgcac aggtacaata gatgacttta tttgtttaga a
401

<210> 1901<211> 407<212> DNA<213> Homo sapien

tttcagttca ctttatttac tatgacacat actttcagag tcctagatgt gctgtcatcg
60agtcccagg cactatcgta cactcatcag cctctgcgg ccagtgtccc cactcctgc
120catgtttccc tagtagcttg gtctttatcc agaactgtga ggctgctgtg ggggtgcagcg

180tccttaggag ggtcctgctg gagcagtggc cctaagtgag tctggactgt gtgaggcacc
240ccagccctcc acggcaaggc cggggcctgg ggggtgctggt gcctgtgtgc agcctgaagg
300ctgccctctt gctgccttca gcgagtggga agctggtcag aggggtgggc actcctctgg
360gtccgccac ctccctggcac accccatttg gtctctgtcc actcctg

407

<210> 1902<211> 407<212> DNA<213> Homo sapien

ggcacgagca tttatatata tactatatat ttcatatatg tatttcagga atttatagac
60cagacattca tatatagatg cggagggtata tatgagcgcg tgtgtatata cacatatata
120tttatacgtata tatacgtata tacatatata cacatatata cgtatatatg taaacgtata
180tatacacgtata aataaatata tttatatata cgtatatacg tatacacata tacacata
240tacgtatata tgtatatata cgtgtatatg tatgtatata tgtatgtata tatacgtaca
300cacacacaca cacacacaca cacacacaca cacacacaca cacacacaca
360cacacacaca gagagagata cagagagata tacagagagt ttagaaa

407

<210> 1903<211> 389<212> DNA<213> Homo sapien

cggtgtgtgc gggttttgcc aatcactaaa gatgcttgtt ttgcctcagc agtagaatgt
60ctgcagcaga tcagcacaaac atttacccca tcagacaaac ttaaggatcat ccagcagact
120tttgaggaga tctctcagag tgtcctggcg tcaactccacg aagacttctt gtgggtccatg
180gatgacttga ttcctgtttt cttatatgtg gtgctacggg ccaggattag gaatttaggc
240tctgaggtag acctcattga ggatctaag gaccctatc ttcagcatgg ggaacagggt
300ataatgttca ccaccttgaa ggcattgtac taccagattc agcgtgagaa gcttaactag
360gtgcataac agcttgaaaa ctggattat

389

<210> 1904<211> 390<212> DNA<213> Homo sapien

ggcacgagcc catctctact aaaaatttat ttttagccgg gcatggcggg gcatgactgc
60aagcccagtt acacgggagg ctgatcgagg agaattgtc gaaccacga tgcggagctt
120gcagagagtc tagatcgcca tatatatata ttcgtatata tgtatatata cacacatata
180tattcgtata tgcatatata cacacatata ttcatatata ggcatatata catatatcca
240tatgttctca taatatacga atacacctat atgtctctat atgtatatat aacatacata
300tattgatata tgtataaata atattcataa atgtatatat gcatatatac tcatatatgc
360acacatacat attcgtatat gcgtatgcac

390

<210> 1905<211> 390<212> DNA<213> Homo sapien

ggcacgagag aatgccgact acttctccaa ctatgtcaca gaggacttta ccacctacat
60taacaggaag cggaaaaaca attgccatgg caaccacatt gagatgcagg ccattggcaga
120gatgtacaac cgctcctgtg aggtgtacca gtacagcaca gaaccatca acacattcca
180tgggatacat caaaacgagg acgaacctat tcgtgttagc taccatcgga atatccacta
240taattcagtg gtgaatccta actagccac cctgtcactc tctctcattg ccgctgccac
300tatcacctgt ctctctgcca gctgatgtgc cctgttgccc cccaccccat cccgcacaga
360accatccctg cattccacag gggactcggg

390

<210> 1906<211> 396<212> DNA<213> Homo sapien

tgcacgagcg gcgactcacc cggattgata tgccgtgatc tggctatatg gtggggcgcg
60ggcgggtgccg ctgcgacgag ctggtgctgt tctcatatgt ttcctttcaa tgggcttttg
120gtgtatgatg taggcgaacc aagaacagga ggaggtgatt acagtgcgtg ttcactaccc
180ccgagtgcac aatgagggtc cctggaactc ttatgtggat tataagatat tctccatac
240caacagcaaa gcctttactg ccaagacttc ctgtgtgcgg cgcgctacc gttagttcgt
300gcggctgata aagcaactac agagaatgc tggattggtg cctgttcctg aactgtgtgc
360gaagacaatc ttcttcggca cctcagatga tgtcat

396

<210> 1907<211> 407<212> DNA<213> Homo sapien

cttccatagc ttggccacct attgtctca gaatacctca tctgtgttct tggataccat
60ctcacatgtc cacctcttgc tgttctggt caccaatgaa gttatgcctc tgcaggacag
120catcagcttg ctgctggagg ccgtgcggac canaaatgag gagctcgccc agacatggaa
180gaggctctgag cagtgggcca ccacgagca gctgtgcagc acagtggcg ggcagctccc
240aggtctccat gagtacgggg ccgtcggggg ctccacacac acggccactg cagccatgtg

300ggcctgtcag cactgcacgt tcatgaacca gccaggcaca ggccactgcg agatgtgcag
 360cctccccagg acctagggcg cctgccctct gctggctagg accgggc

407

<210> 1908<211> 399<212> DNA<213> Homo sapien

caagccagtc aacccgcaga agtgaatatg tactaccaga acacttacca gacaatgcct
 60tacgggtcat cctatggcat tccttatagt tatacggcct atggatcatc agatgccaaa
 120tctcaaaaaa cagataatac agtccccttc aaaactccca gtaatgagat gactcccgtt
 180actattgatt tggtaaagaa acagcttaaa gacagggttg actccatgaa agaattgcac
 240aaaacaaatc gacagcagca tgagaaacat ctgcaaagcc gagtggactc taccagggtc
 300attgaaagat tagaagggtc ttctgggggt attggtgaac ggtataaatt ttgcaagaa
 360atgcgagggt atgtccaaga cttgcttgag tgtttcagn

399

<210> 1909<211> 407<212> DNA<213> Homo sapien

gaagattcac agtggacaat gttaaggag atttttagagg gcattcagta aggggtgtcac
 60ctgtctaagc ttttctaagg atagcagtca aatccttaat gcttcttttg accagacaat
 120tagaattcat ggtttaaaat ctggtaaaac cctgaaggaa tttcgtggcc attcctcctt
 180tgataacgaa acaacattta cacaagatgg acattacatt attagtgcac cctctgatgg
 240cactgtaaaag atctggaata tgaagaccac agaattgttca aataccttta aatccctggg
 300cagcaccgca gggacagata ttaccgtcaa cagagtgcatt ctacttcta aaaacctga
 360gcactttgtg gtgtgcaaca gatcaaacac ggtgggtcatc atgaaca

407

<210> 1910<211> 408<212> DNA<213> Homo sapien

ggcacgagac aggcaccaag atgtccaacc gagtggctcg ccgagaagcc agtcacgccg
 60ggagctggta cacagcctca ggaccgcagc tgaatgcaca gctagaaggt tggctttcac
 120aagtacagtc taaaaaaga cctgctagag ccattattgc ccccatgca gcatatacgt
 180actgtgggtc ttgtgtgcc catgcttata aacaagtga tccgtctatt acccgagaa
 240ttttcatcct tgggccttct catcatgtgc cctctctcg atgtgcactt tccagtgtgg
 300atatatatag gacacctctg tatgaccttc gtattgacca aaagatttac ggagaactgt
 360ggaagacagg aatgtttgaa cgcattgtctc tgcagacaga tgaagatg

408

<210> 1911<211> 392<212> DNA<213> Homo sapien

cggccgcgaa taaggattac aaggcacgct tgacctgtcc gtgctgtaac atgcgtaaaa
 60aggatgctgt tcttactaag tgttttcattg tcttctgctt tgagtgtgtg aagacacgct
 120atgacacccg ccagcgcaaa tgtcccaagt gtaatgctgc ttttggtgcc aatgattttc
 180atcgcatcta cattggttga tctaagtcaa gagaagaaga ggagctggct agtcaggaac
 240ttattcatta accaccaaac ctctacctct tctctccttg actgtcacct gtaggacagt
 300ttatcagtca actacctttc ctccagactt tacttccagg ctctcctctt cagtagctgg
 360atgacttttag cagaaaggac tggtaaatatc aa

392

<210> 1912<211> 401<212> DNA<213> Homo sapien

ggcacgaggt ctacagcctg acccagctgc ccgctatcgc aatgtgttgg aggcctctcg
 60gaggattata agaacggagg gcctatggag gcccatgagg gggctgaacg tcacagcaac
 120aggcgaggg cctgcccacg ccctttattt tgcctgctac gaaaagttaa aaaagacatt
 180gagtgatgta atccacctg ggggcaatag ccatattgcc aatggtgcgg ccgggtgtgt
 240ggcaacatta cttcatgatg cagccatgaa ccctgcggaa gtgggtcaagc agaggatgca
 300gatgtacaac tcaccatacc accgggtgac agactgtgta cgggcagtgt ggcaaatga
 360aggggcccgg gccttttacc gcagctacac caccagctg n

401

<210> 1913<211> 383<212> DNA<213> Homo sapien

cgttgtgtc gggccatttg ttttgtttg gtgtccctt tgaagccctg ccttctggcc
 60ttactcctgt acagatat ttgacctata ggtgccttta tgagaattga ggtctgaca
 120tcctgcccc aggagttagct aaagtaattg ctagtgtttt cagggatttt aacatcagac
 180tgggaatgaat gaatgaaact tttgtcctt ttttttctg gtttttttt ctatggagc
 240aaggactaag gaaaacctt ggtgaagaca atcatttctc tctgtgatg gggatacttt
 300tcacaccgtt tatttaaatg ctttctcaat aggtccagag ccagtgttct tgttaacct
 360gaaagtaatg gctctgggtt ggg

383

<210> 1914<211> 384<212> DNA<213> Homo sapien
cgttgctgtc gcctggnttt tttttgcctc ctccctttcc cagcaccatt tattttgggt
60tctgagaaac agcttcctcc cattacagc accaattcaa ttaggcagga gatagtgtg
120aagggtttttg tttccatcag ctctgtgtgt gtaaatagta gctctgtttg aaaaactttg
180agaagttgtt gtgatgtgcc tctttctggg ttccgatccc ttctcagcct ggtgatgcca
240tggcattcaa atcaatttgt ttctcttccc ctccctacc ctacatccat cataaaaaat
300gggggtggtt gcactaatca gagatctgct tttttccccc cacagatatt ggtaaattat
360taaaaaacca taaattttct tcta

384

<210> 1915<211> 385<212> DNA<213> Homo sapien
ggcacgaggg gaccctgtc gccagatgg ctctggaca ttgcccagc gtcctactga
60gcaggaactg agggcccgtg aagcagcacg gccaggggga cgtgaacggg ctgcctggc
120aactgcccag gacaaggccc gctccaacaa agggctcctg gncagnattt ntntttttt
180ttntttttt tttttttttt tttttttttt tntttttatt aatatttttt tttatcttct
240atatctacc ctattcccc ttttttttag gcaaaaaaag tgttaaacc cctcttttg
300gttctggata aaaaagaaaa atgcccgcac atagggttct cctccctaag agaaaaaaa
360gcccttttgg ggggcaaaaa aggtg

385

<210> 1916<211> 383<212> DNA<213> Homo sapien
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60cgacaaacga gatgaagcac ggtgcgtgcc gataaaatgg aacagatgtg gactgataag
120cggctgatcc tgtatgtgtg gggctccaac gactttctga ggcgaggtcc tatggactag
180cgtcgccctt tgcactcttg atggctcaca acgggcttgc ctctctttac tactaacat
240tatatgctat ttgctgtccc tgcctagact ttgctccact gagtgttca tttgaggcca
300accctccctt gtgcgaggag ctcatggatg ccatggctc tcaatttgag agactgctg
360agagctcacc ggagccctg tct

383

<210> 1917<211> 384<212> DNA<213> Homo sapien
ggcacgagaa gagccagctg atatcctcgg cgaacatgtc tctcctgagt ccagaggacc
60aacaccctca acctggttag ttctttctgg ctgtcagag ctctcagaag gtacatatg
120gagcccaagc ccagctaca tctccactt attctgcctg attccccaa agacaatggc
180tgagccctgc atgcagggtt ggggtggaa tggggctaac cagctcctga tggcctgagc
240caggcatctt gactggcacc tggagagccc ttaagtctgt cctggctgtg gcccatgccg
300acagatatcg tggggctgac aggtccacgg caggcttgct ttcttttata aaatggaagc
360tctggtacct tcaatgtatg actt

384

<210> 1918<211> 385<212> DNA<213> Homo sapien
cgttgctgtc gagcttagca aatctgggta ttggttttgc ctgtttttta accccctttg
60gagtctagta aggttaacca ctctggttag ttacagcttc taacaggtga ctttacattg
120gaggaagatg ttcagaaggc gtggaagaca catcttcgag cagccccagc ttctgatgat
180tttgttcate tgggttgtag acccaatctg tgtcccaggg actgggactg gccttcatta
240ccttattgac atgcttctcc cggacacaca cacacacatc acatttgag ccatctcaat
300ttagtagagg aattacacat aacaaaaaca ctcccaaat gtgtgctgga gaacagctcg
360gagggatggg acggcctgtc gtttn

385

<210> 1919<211> 378<212> DNA<213> Homo sapien
ggcacgagca ggcggcagag gttgcagtga gccaggatcg cgccactgca ctccagcctc
60agcaatagag tgagactgtc tcaaaaaaaa aaaaaaaa accccgcca tttttaaaca
120accccgaaaa aattttttcg gggccctttt ttttaaaaa caagggggtt ttttctttg
180gtatcccaaa aaccactgg gggcaaggtt tggggggggg aatttttttag ggccatata
240aaattcctta gggttttggg aaagggaat cccggggcaa taaccctttt ttgtaagggg
300ctaaaccctt ttttttttta ggccttttt tttttgaaa aggggttatt ctggccccc
360cggttaaaaa cctggga

378

<210> 1920<211> 379<212> DNA<213> Homo sapien

cgctgctgtc ggctcttaca ggaaagggca ccaggctgcg gggtcattga ggacaaagtt
60gacagtttag attagcaggc actcaccatg ggcctcccc ctccctcagc atgaaaccag
120caggagaaaa tcctcaactc ttggcttctc cttggggaga caaaagagtt ggaatgtgtg
180tcagtggtt caccctttca gtgggctgag ggactggctt ctgtcttgct tgtcttgga
240agctgacagg ggctgggtgca ttccagggtgc ccaggagcca ctgagaacag aagacttgtt
300gctgctctag aggacctatg gtagggcaga cagaggatga tacagctcag cagcttgctc
360ctacgtgtgg catgaaagg

379

<210> 1921<211> 381<212> DNA<213> Homo sapien
ggcacgaggg ggcaatgcta aatattgagg cagttttatg cattgctacc atttatgttc
60gttataagca agttcatgct ctgagtcctg aagagaacgt tatcatcaa ttaacaagg
120ctggccttgt acttgggaata ctgagttggt taggactttc tattgtggca aacttccaga
180aaacaacctt ttttgcgtgca catgtaagtg gagctgtgct tacctttggg atgggctcat
240tatatatgtt tgttcagacc atcctttcct accaaatgca gcccaaatc catggcaaac
300aagctcttctg gatcagactg ttgttggtta tctgggtgtg agtaagtgc cttagcatgc
360tgacttgctc atcagttttg c

381

<210> 1922<211> 373<212> DNA<213> Homo sapien
cgctgctgtc gggtaaccc tttctttatg cgagccaaag gattcttggc tocaagcctg
60gtcctggctg ttagtttggga actcatgcac ccagatgcta actcgccctc agaatgcaga
120ggggatgaaa cactgaccgg acaattcaat ctgtatatgg agacggggtt tcaccgtatt
180agccaagatg gtctcgatct cctgacttgc tgatccgcc gccttggcct cccaaagtgc
240tgggattaca ggcgtgagcc acctcgccc gccatgttc tagattttt attctggtt
300agcaggatcc aaactgcctg tctgaagag actctcttcc tctccatac aacggctggc
360ctctaccaag tta

373

<210> 1923<211> 370<212> DNA<213> Homo sapien
ggcacgagta cagaagaaca atgcgaggcg agctcaggcg cgctgatggg ggtttccgat
60acaactcccc actcaaagaa ccccgagag ctcttgatcc catctctcag tagggctctg
120aagtccatgc tgtctgaaga cacaggggtc cccctgcgt ctgtgccagg acagagggac
180tgccaccagc caagctgcaa tccttttaaa cgtaaaaaac ggccgggctt ggtggctcat
240gcctgtatgc ccagcagttt ggggtgatga ggcgggtgga tccctgtgg tcgggagttc
300aagatcagcc tgaccaacac gaataaacc cttctctact aaaaatacaa aattaggccg
360ggcacagtgg

370

<210> 1924<211> 374<212> DNA<213> Homo sapien
ggcacgagga gagagagaac tagtctcgag agcagatctc tctctccggc acgaggagag
60agagagaact agtctcgaga gcagttttt tttttttt tttccagca ccgtgagggc
120ttactggagc acattttgcc ccacaaaaag gaaatagccc ttctaattcc cgctgcaaa
180acacaaaacg gcaaccctcc ccgggaaaac ttttgagaaa ccccgccggg gcaccaaaga
240cctaggggga agatctgggt caaaggtaa aaattccgta agaaagggcc tataggagct
300gtgagaactt tttttgccc cgaataacca ttttaacaa acagccctaa cccctagggg
360agagctggac gggg

374

<210> 1925<211> 370<212> DNA<213> Homo sapien
cgctgctgtc ggtttcttga agaggtagag ggatagggtta gtaagatgta ttgttaaaca
60acagggtttta gtttttgctt tataattagc cacaggtttt caaatgatca catttcagaa
120taggttttta gcctgtaatt aggcctcatc ccctttgacc taaatgtctn acatgntact
180tggttagcaca tccacctgta tcaactatcc ccatctggtt ttgggggatg cgctggcacc
240atttcccaa aatttacgtg taagtatcac aaagaggggc tctacaatct ttagatttcc
300tttcgacaag attgcaggcg attcctctcg gagaccttcc ccccgccatt ttggacctta
360tgagagggcg

370

<210> 1926<211> 150<212> DNA<213> Homo sapien
atgtttaaan catgggtccg gagcctttta ctctcccgaa ctctggagg ccctaaccgt
60gcgctttgag gctcccgatt ctcggaatcg ctgggaccgg cctttattca ctttgggtgg

120cctataagag ccgttgcccc tggcgggtgat

150

<210> 1927<211> 354<212> DNA<213> Homo sapien
ttgcttatac tctcactgga accaatgcat ggaacagggtg gtgcagacct ccagctgata
60atgcattgaa gaacaggcat catatgctaa atgagtgaag cttagatctt attcgacacc
120ataaggacct gcatgaaaca aaatagcatc accacttgca tacgtaacat gatcaaccca
180caggcctata tgttggaagt gctgtccggg gctgttactg tctcttctgg ttataaagca
240gacatgtggc catcttttcc gcagggttag agtgggctcc tttctttttg gaatcctttt
300cttctccttt ggtagcagct cctgcctcc agggcttccg ccaccagcgt ctct

354

<210> 1928<211> 336<212> DNA<213> Homo sapien
tacgctgctt taagacgaca gaagggtga tctttcatct atttgagaaa acgcattcta
60gcagggtgta ggtaatctca ttgtggtttt aatttgcat tccctaattg ctagtgtgc
120tgaacgttgt ttgcatgaac ctggtatgtc ttttttgag aagcattttc acaagccatt
180ggtgaagtat gtggatcacc accaccata ctccaacct gttccagtc actggtacct
240atagggtgag agtgaggttg ctcatcaacg agctctcaa gtcataagct gctgctctcc
300cactcacgat gcttggtgat tcagggacgt tttccc

336

<210> 1929<211> 448<212> DNA<213> Homo sapien
tttttgcagg atcccacaca tatggagtct taaattagtt ttgggtgtca ttttgatgcc
60tagagtcata gaagagtgt taggagcttg tgggtataa aaataacttg agaattggct
120gaaagcaact aggaagatg ggggtagtag tatgtgtaa catttgaggc agtagagatg
180tgggacccaa atactgttcc ccttttactc aaattctgag atgagttgac atgttctgtg
240tagggctaga gagttagaaa atggccagta ggtggtagcc acagagaagc agtgcgtaca
300aacaagtaag tatgcaaaat ttgtacatac ggtttcagga ataactagaa taccataaaa
360atatccacct gccttataaa ctagaacatc attgataact tggaagccct tgcatacctc
420ccatgatct catttgtctt cacagctt

448

<210> 1930<211> 463<212> DNA<213> Homo sapien
tgctcgatct gcacgatccc aacgatgcga aatcggcacg agcagaaacc cggttcccag
60cgtcggcggc ccggcttccg ctgcccgtga gctaaggacg ggccgctccc tctagccagc
120tccgaatcct gatccacgcg ggggccaggg gccctcgc tcccctctga ggaccgaaga
180tgagcttctt cttcagcagc cgctcttcta aaacattcaa accaaagaag aatatccctg
240aaggatctca tcagtatgaa ctcttaaaac atgcagaagc aactctagga agtgggaatc
300tgagacaagc tgttatgttg cctgagggag aggatctcaa tgaatggatt gctgtgaaca
360ctgtggattt ctttaaccag atcaacatgt tatatggaac tattacagaa tctcgcactg
420aagcaagctg tccagtcag tctgcaggtc cgagatatga aac

463

<210> 1931<211> 460<212> DNA<213> Homo sapien
tacatttagc ccagcgactt gttgnaagc ccatccaatc gattcggcac gaggaaatca
60attggagaac ggtttttatt taatacagtt gcacagggtg taaaaaaact tgctttattt
120gacgaatgga attccttggc tgtttatgtt tcaatggata acacagtgtt cattgaagat
180atcaaaaaaa tgtgccgtgt ccttcccttg agagctgaca catctggtga caggcctccc
240gattctttaa ctgctttcta ccacagtaaa ggcacctctg cctactgctc agcctggaaa
300ccccctgctg tcattgtgcc ccttcgctg ggcataaacc aaatcaatcc tgtctatgtt
360gatgcattca aagagtgttt taagatgcc aagctcttag gggcattagg aggaaaacca
420aataacgcgt attatttcat aggattctta ggtgacgagn

460

<210> 1932<211> 436<212> DNA<213> Homo sapien
cacacttgct tgctcgtttg gccgaatcgg cctaccggtc gtcagaatac gacagaaggg
60accacagtcc acctaaaggg tgctacagc ccacttgagt ttttcaaact gagtaatcct
120aaactgttca tcccaccctg ctttgctttt tccatgaaaa tgacagtaag ggctgtggcc
180tggactttac cctcattact gcttctgctt cctgacaaa accctatgca tctcttaagt
240ctggcgtggt gtgttggtgg atgccgtctt cttccaggaa atgcaagtaa tacacatttt
300tcagtatat tggcctttct atgttgtcac ttactaataa ctccatanat taaatcttgg
360gtgcatttta gaacatgctg tacctttgat tggtttgctt taggctagt agttgagttc

420tggtgcttaca ctgaaa

436

<210> 1933<211> 440<212> DNA<213> Homo sapien

cggttgctgctc gggaatagag taattttttt tcccattcca cttggaagct gtgtacctca
60agtgtgtgca catttacaaa tgggtgaaac ataacttatg ttagtccaag cttgatttga
120cttcagttct gcttcaacgt tttagtagat agggcactga actggatgct gaaagcgtgg
180gatctctttc tgttgcttca cttccaacag tgtgggttca ggtaatacga catgtttgtt
240acttggtttg ctgatctatg tgttggaac aatgctcacc acaggaggat tgactacata
300gcctgctttc atagcttgtg tgtatttacc cagtgcctca atagttgata ctgccagtga
360tttactctg tggagtaaag gtaagcatgg ttttaattct tgagtattat atggtacgtt
420ggagctaggt atttaagaat

440

<210> 1934<211> 444<212> DNA<213> Homo sapien

ctcgctcttt gtgcaggatc ccacgactc tcaacatgag aaagctttta ttttctattc
60ttttcaattt ttccacattc taaaattttg gctgggcgga tcttgatttt taaaacattt
120gtcctttgtt ttctaaagag ggtcgttggt ttgcttagtt tttaaaaaaa tgcacgaatg
180atgtttttta acgaacatgt tcactctgct aattttttgt tgtttttttg agacggagtc
240tcgctctgct acccaggctg gagtgcagng gcaccatctt gtctcactgc aagctccgcc
300tccccacttg aactgattct cctgcctcag ccacctgagt agctgagatt ataggtgcct
360gcccccatgc ccagctaatt tttgtatttt tagtacagac agggattcac catgttggtc
420acgctgggtc tgaactcctg agcg

444

<210> 1935<211> 426<212> DNA<213> Homo sapien

tgtgaacact cccctatgta aatatgctga caataaattg tatggagaat ggtattttaa
60aagtgttttg agacttttca cctgtcctat aaaattttga attgtgtatg tgatctacat
120agaaagaata ttaaagagta ggttgaactc tttatagcca aatacagcct taaatagct
180tgtatagcat ccactggcag aagtaatagt tgtgcctcag acttgggggt tgcattgtgg
240cctgggggag ttactacctt tggatgcat gagcgggtcc tattagcatc agtgggaact
300cagtactctg tatgtatcca caaaagggaa cttgagaacc acagttattc ttaatttctg
360atattaacaa ccgtacatac tgctgaattt aactcanaat atttcaggta agtgaaagt
420gtgctt

426

<210> 1936<211> 424<212> DNA<213> Homo sapien

ggcacgagga atcaaggga taaaagctta ttctgatatt atagagcata taacagccat
60gtagatatgc atggtataga gaaatcagtt ctatgatgga tgtaccacca aagttgccga
120gcattatata gagatgcttt tgatatgagc cctaaaaata attgggatag agagggagtt
180ggtgaatttg agataatttt tcaaagaaca taccatattg cgacgcaaac ggtagatct
240aatcagtgat aagctatatt ttgagcttta caattgtttt tacaattacc cctgttttga
300gtatatatct tggcaaatca ttctaataaa tatttgctga taactgcgcg gaatacatac
360atggtacgta gaaatttga agaataccta catattttca ggtatcattc tctgtgcaaa
420tacc

424

<210> 1937<211> 431<212> DNA<213> Homo sapien

cggttgctgctc ggacaggagg caggtgtgta tgggtgaaat tattttgaca ccttagagtt
60aaccgggctc tagagtcagt acattgggtc aagtaacaaa tatcaaagca gaactcttag
120tgtggcacaac aataaataat tgtctcctag attcttatac aagtcactgt ccgtcccaa
180tttggtagctc ttagaatggc tcgagttgca ttcattgtca cagcaagaca caatggtttt
240gatagcaaag cagtagagaa actaaatgta gagaggcaga gagaactgta ttaagtctga
300ggacctggtg gttgtcatgg gcagcaggaa gtgtgaagga gaggggtttc cctccgatga
360aagggaaggct agggcttgat tcangggagc aagtgggatg ggcctgctg gtccctggct
420tgcttatat t

431

<210> 1938<211> 425<212> DNA<213> Homo sapien

cgggtgctgctc gaaaaaaaac caggtttctt tgttgagctg tgtcttgaag gcaaaagaaa
60aaaaatttct acaggagtct ttcttgcttc tagttgagct gcgtgcgtga atgcttattt
120tctttttgtt atgataattt cacttaactt taaagacata ttgcacaaa acctttgttt

180aaagatctgc aatattatat atataaatat atataagata agagaaactg tatgtgcgag
240ggcaggagta tttttgtatt agaagaggcc tattaataaaa aaaagtgtgt ttttgaacta
300gaagaggaaa aaaatggcaa tttttgagtg ccaagtcaga aagtgtgtat taccttgtaa
360agaaaaaaat tacaagcag gggtttagag ttatttatat aaatgttgag attctgcact
420atttn

425

<210> 1939<211> 426<212> DNA<213> Homo sapien

cgttgctgtc ggttttaaatt tagacctttt gagttaactc ttctaatagt ttgtgctcca
60agagagccca gcacacctt ccatgaatgg tgtcttttca aagataactg tttttgaatg
120ttcattgaaa aaattgtaga gtagtcaact atcatttttt cagttacact caaataacaa
180ctatttagtag acgtgttatt ttataaaga atgaacagat gaggccagga acagtggctc
240atgcctgtaa tcccaacact ttgggaggct gaggtgggag gatcatctga ggtcaggagt
300ttgagaccag catgaccaac atggaaaaac tccgtctcta ctaaaaatac aaaattagtt
360gggcgtgtg gtgcctgcct gtaattccag ctactcagga ggctgaggca ggagaatcgc
420ttgaac

426

<210> 1940<211> 425<212> DNA<213> Homo sapien

ggcagcagga tggatcaaaa gttatgatta cacactgtaa tctaatgaa ttttaaggaat
60ggcagtaact ctagaacctg cacagattta ctcatattcc ttcaggaaaag tgtttaaatc
120gtcagaggt cctgcatcaa gcattcatct ccaattgtga ctccagtaca acgactcata
180aatgggaaat gaataacatc catagtgttt agagagaaaa aaatagacca ataactacc
240tactgacaag taaatttata caggactgaa aaccgcctga aacctgtgc aactattgtt
300attaactctg tatagctcca aacctggaac ctctgatca gtttgaagga cattgataaa
360ctgtgtgttt acaataacat tatcatctgc agttactgtt tacaagactg cttttacctt
420acacn

425

<210> 1941<211> 435<212> DNA<213> Homo sapien

cgttgctgtc gagagcttca aacaagaagg gaaatggaag aaagaacaat aactatagaa
60atcccctgaag ttctgaagaa gcagctggag gatgattgtt actacattaa caggaggaaa
120cggaagtgc cacaagcact aacaggagcc aggaggaact ctctcccagt ccgcctttgt
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240ccaaaaggcg caaagctgag ccagaagcat tgcagtctct gaggcgttcc acgcgccaca
300gtgccaaactg tgacaggctt tctgagagca gcgcttcacc tcagcccaag cgccggcagc
360aggacacatc cgccagcatg cccaagctct tccttgacct ggaaaagaaa acacctgtgc
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435

<210> 1942<211> 444<212> DNA<213> Homo sapien

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120tatggtagaa aaatactcag tagctacca gattgtaatg ggtggcgta ctggctgggtg
180tgcaggattt ctgttccaga aagtggaaa acttgcagca actgcagtag gtgggtggctt
240tcttcttctt cagattgcta gtcatagttg ctatgtgcag attgactgga agagagttga
300aaaagatggt aattaagcca aaagacagat taagaaacga gcgaaccaag ccgcaccttg
360aattcaccat ttaattggag aagccacaga atttattcag ccgaacattg tgatatccag
420tggatttgtg ggagggttt tgcn

444

<210> 1943<211> 426<212> DNA<213> Homo sapien

ataacgctac ttgttctttt tgcaggtntt tgcgattcaa ttcggcacca ggccatcttt
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120catctctaca gattcctgag aaacatcttt gtctcacct gcacatcat cgtctgttcc
180ctgctcttcc ctgtcctgtg gcacctctgg atttatgcag gaagtgccaa ctctaatttc
240ttttatgcca tcacactgac ctccaacgtt gggcagatcc tgctcatctc tgattacttc
300tatgccttcc tgcggcgagg gtactacctc acacatggcc tctacttgac cgccaaggat
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426

<210> 1944<211> 413<212> DNA<213> Homo sapien

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120gtgcacataa ggagaaagtg gctgtgctag gattggaacc caggctgtca ggttctgagc
180ccttcccttt ctgtctgtgg gcctactgtg tgctcccaaa aagctgtggc caaattaagg
240aggtggcatg tctgattcat ctgtggcggg gcctgggata tatagtaact ctcaacaatg
300gtgttcatta gtccgggcat ggaggctcac gcctgtaatt ccagcacttt gggaggccga
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413

<210> 1945<211> 405<212> DNA<213> Homo sapien

ggctggtag acacgatccc ctcttaagaa aatgttggtg ctacagacagg taaccactgc
60tgctactgtt tttatttgtt tgtttggtca attttattta agatttgttt ttgttgact
120aggattttta aaaatgtaat atattgcagg atttataacc aggttactg actgcttgct
180tgctttcttt tttttttttt ttttctcct taaaaaacca aaacaaagt tttttaaaaa
240tacttttagg ccccttgaa gctggatttt tgaaatgttt cagaagggga caaaaatcgg
300tgggggaaat tttttagttt cccagggtta attaaaaagg tttttaattt ggtttgggat
360tttggggggg gatttttttc cctttatcca aaggcctttt ggccg

405

<210> 1946<211> 405<212> DNA<213> Homo sapien

ttaagaagga cctgatatgt aagcgtggt catttttctt ctggggttta ctgatcaggg
60tgagatttt aacttcattt agtaattact ctaggagatt ttaccttgac ttatatttt
120catgacgttt catgatttgc tgctggttcc aaatgaaact acaaatctgg catgtttac
180tgtgaacact tttgttattt gttttgtacc ctttttgtc ttgttttct gtttttagctg
240ccttctgaaa aaagagttgt tccctctgtt tctgtcctca gatgatgtcc ctccccctac
300ctgtaacctt tctttgacat aattgttcat atcaatgaag gtgctgacca gctcaatata
360cagttaagca caagatctaa agctcttgaa atgcccgaga aagaa

405

<210> 1947<211> 404<212> DNA<213> Homo sapien

tttttctgat ggaatcttgc tctggctaatt tttcgtattt ttagtagaga caaggtttca
60tcagtgtggc cagggtgggc tcaaactcct gacctctggt gatccacctg cctcggttc
120ccaaagtgtc gaggcaggcg gatcacctga cgtcaggagt tccagaccac cctggccagc
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240ttgcagttag ctgggcaaca cagcaagact tcattcttta taaaaaaaaa agacccccac
300cccccaaaa aatgggagcc cctgttctcc actttttgaa aagcttaaaa tgtgtttta
360tcttgggcca gtcttttaga cccccctggc caaaaatggt taac

404

<210> 1948<211> 417<212> DNA<213> Homo sapien

gtcggcacga ggctggccgg tcgtgggtgc tcatgcctgt aatcccaaca cttaaggagg
60ctgagggtgg cagagcacct gaggttggga gtctgagacc agcctgacca acatggagaa
120atgccatctc tactaaaaat acaaaaatta gccgggcatg gtggcacgtg cctgtaatcc
180cagctactca tgaggctgag gcaggagaat cgcttgatcc tgggaggtgg aagttgcagt
240gagctgagat cacgccattg cactccagcc tgggcaacaa gcgaaactct gtctcnaaa
300aaaaaaaaa aaggggccgc cgaatgagga aattaaagg gttttttcca aaggaccctt
360gccaaaaaaa aaacttttag ggggaccctt aatccgggaa aacattggaa agccaaa

417

<210> 1949<211> 416<212> DNA<213> Homo sapien

ggcagagaa gcactccgt tgctaataaa accagagttt ctggatagtc caaaacattg
60gttcttagag tataattcct aaaccagcag catctgcatc acctagaaac ttgtcagaaa
120tgcaagttat cagactccac accagacctt catgaatcag aaactctagg tgtggggccc
180aaaaatgtag cttaacatgc ccttcagggtg attctgatgc aaagtaact tacagaacc
240ctgcactaga gaaaacactt ctttttgaga tagtcaagg tgtatactgt ttctaccaag
300cacaaatata ggagcatttg agattcttcc tgtgcaataa taagaaatca acaggaaatg
360tttcagtgc tgtgtgtgtg tgtgtgtgtg ttataaaaaa tatcttgata tatatg

416

<210> 1950<211> 412<212> DNA<213> Homo sapien

tgaaacaccg tctctaccag aaaatacaaa ttattagtca ggcgcggtgg cgggtgctg

60tagtcccagc tactcgggag gctgaggcag gagaatgacg tgaacccagg aggcggagct
 120tgcagtgagc cgagatcgcg cactgcact ccagcctggg cgacagagcg agactccgctc
 180tcaaaaaaaaa aaaaagggtt tcaaagttcc tttttgttaa agaaccacg taaaaggctg
 240agtctattct gcatactatg cccacagaaa aggaagaaaa ctttttaaaa gggagaatcg
 300catgttttca atgaaaacat tcacttggtg tttcatttgt aaaaaaaaaa agggggcttt
 360tataaagaac tttggggaaa cactttgctg aaatgttggg actctggaac ta

412

<210> 1951<211> 422<212> DNA<213> Homo sapien

ggcacgaggc gactcacgcc tataattcca gcactttggg aggccgaggc aggtggatca
 60cgagggtcaa agatcgagac cactctggcc agacatggtg aaaccctgtc tctactaaaa
 120atgcaaaaaa ttagctgggc gtggtggcgg gcgctttag tcccagctac tcaggaggct
 180gaggcaggag aatcacttga acccgggagg cggagggtgc agtgagccga gattgtgcc
 240ccgcactcca gcctggcaac agagcgagac tctgtctcaa aaaaaaaaaa gggaaatctg
 300gttttttttt aacccaaaaa tttcttaggt tggggcccaa cttctttgtt gggggggccc
 360tttgacttt gaagggcccc caccacaagg ggttttgtt gttccaggg cttttgaac
 420tn

422

<210> 1952<211> 413<212> DNA<213> Homo sapien

cctatatcaa aacttatcaa atggtgtttt ttaaataatg gcattttatc atatttcaga
 60tatacctcaa caaagctgtt agaacaagg agttggaatt agaaaaatta cccaagtagt
 120attcaatac ctaattatct gcttgaaagc actgaaggcc aactatggaa ctcaagtggc
 180ccaccagaga gaagtctggc taggtgctca ggtggcgtg cctgaccatt cagtggctga
 240gccctgtgaa aacaggcatt ctgtaggtct tcggatgagg aacttgacga agcagccggg
 300tgctgccatc ctaagctggg tttccatatg ggcttctctg tgagtgttaa gaaaagctgt
 360gggttgctg tcagagttag cggccctact cagggttaac acagtctctc cat

413

<210> 1953<211> 409<212> DNA<213> Homo sapien

cggtgctgtc gaaaaaattt ctggattctt aaaccaggaa gtatgtctgc atgcaaacat
 60tgcttctgag ccatttcttg gtatccttat tgacaggtct atctgcttt tcttcaat
 120gttaactgaa cttactatct ctgtctactt ttaggtctg actttgacct ttcctgtgtg
 180tgaatttaac ttctcctct tagcagtaaa gcaatgcata gattactttt aatgaccac
 240cctttctctt catttgcat agccctatga tattctatat cttcttactt tcttagggta
 300gtagaagtct tggcttgtt tgccagacag agcaaaagtg gcctgggac cactaaatc
 360tcgtaaaata ttctcttaca cagaacgcaa aattgcttag tactctctn

409

<210> 1954<211> 412<212> DNA<213> Homo sapien

cggtgctgtc gggcttgggc tgcaccactc acagagctcc ctccccagg cacttagttg
 60ggggccagca ctgacctttc cctgagccc aggatgtggc cagagcccc tctgggaccc
 120ctctcgcctt ttctctgct cctcagcttg agctgctgc ccgaagtctg gctgttccgg
 180ggccagtgtg tcacctgcca acttcacat caccctctc cctcgtccc tctctcctt
 240cccccaaggac ctcccccat ttctggcagc caagccatta atctggagac agaaatgggt
 300ttgctatcga ttctctggcc actttttctt tcattacaat ttgtaccggg attcttctca
 360cccttctctg cgtccgtgca tttaaagagt tgtctcttta aatgttgaag ct

412

<210> 1955<211> 408<212> DNA<213> Homo sapien

ggcacgagga gctcctcctt tcttctcact ccttccctt cctccctcca tgccactcc
 60ccctgctcc agcaggccag gaagaaggca cagtccaggc aagtctggga gcttccaagc
 120ccttgaggte cagctgtggg gcccaaatga cagccttaca aggttctac cagagaggaa
 180aattccacat cccaccagaa gacaggggtg ttggcaggca tactctatc tctcctctt
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 300ttccttccct ccttctctt ccttccctt cctgcccct tgctcacct cctcttctag
 360actgcattag attcattcat ctcatcttcc aggacatgtt ggccagag

408

<210> 1956<211> 408<212> DNA<213> Homo sapien

cggtgctgtc gcttttttct cctattatat ttttggttct attaggattt acttaactga
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120ttcagctcac agtttgaagt gctgagaacc taagtatttt gctgtacggt actgagctgt
180acaaaaatat gatggttttag gtttatgtgc aagactttgt gttgtagtct agacaaaagg
240gtgggcaaga gacatgcaaa gctgaagccc tgcttgaaaa gacccttcaa ggaagtaaaa
300tggcaggggc agagtgcagc ttaacatgtt gctatccctg ttgtttttga gttggttttg
360aatggattc aagttcttac acaatttatt ttgaatacaa gcataatc

408

<210> 1957<211> 422<212> DNA<213> Homo sapien

ggcacgagga agctgctgtt cggaagtttg ccatggactg gaaagaagtt cttgtcggcg
60cctagcgacg cccaacacct gtccaaacaa aaaaaaaagt gaacaagaat taaaagatga
120aaaaagggat ttatttacia aatattactc caaatggaaa ggaggtaaaa aaacacaaa
180tgaattttat aaaccattc cccggtttta ttataggctg cctgctgaaa atgaagtctt
240actacagaaa ttaagagagg aatcacgagc tgctttttta caaaaaaaa gcagagaact
300gttagataat gaaaaattac agaacttatg gtttttgctg gacaaacacc aaacaccacc
360tatgattgga gaggaagcga tgatcaatta cgaaaacttt ttgaagggtg gggaaaaggc
420tg

422

<210> 1958<211> 408<212> DNA<213> Homo sapien

ggcacgaggt caatgtttta tacattattg acagaactta cgatgatttt agtggtctca
60gggatgtagt aaagtacttg tgttctgctg gttaggctaa gctgaagtga caaatggccc
120tcaaatgtct ggtttcaaca aaagttcatt tgcttttggt gaatgtctgg cacatgtctg
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240catgtctgac acgtggtggt cactggcag agggacacac gatcggggca agttctgctg
300gcccttaaag cttctacca gaagtgaacca ttaaccactt ctgcctacat tcaactggga
360aatcaggctc catggcaacg tgagagggca tgtactctcc cttgaggg

408

<210> 1959<211> 404<212> DNA<213> Homo sapien

cgctgctgtc ggtcaaaatc acttatctgt agagcataaa cgatgacctt gatcatgaga
60gaaattgaaa tgagaaaaag ttgaaaaaat gggatgtttg acctaaagaa gaggagcttc
120ttttaagaag taacagccac ttttaaggat ttggagtctt gtcatgcaga aggatcagat
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300aggctgttcc tgttactga caagttggg attctagagt agaggaatcg tactgaagga
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404

<210> 1960<211> 405<212> DNA<213> Homo sapien

cgttgctgtc ggaacattta tattgttatt ctttgtggct attggtgtgt ctcacaggca
60aaagttgatt tggctaaaat aggtcagat gtatttgcgt gccgcgctgt gtgtgtgtgt
120gtgtgtgtgt gtgtgtgtgt atgaaagaga gagagacttt gacgggtgta gatattttt
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240gtattcataa taccatttaa tattggcgtg agtgttctcg cttgacaaaa agaggcctcc
300cctgcttctt tcaacaactg tcacagagtg ggtgggctga aagctctgcc cacggccctg
360ctattggcga gagaggctct ttgtgggagc ggtgtctcgt gcgtc

405

<210> 1961<211> 416<212> DNA<213> Homo sapien

cgttgctgtc ggttaaaata gccccctgat gagccaggca ctctgagggga acacagatta
60tctgagctctg aacacgccag acttctccac aggtttattt tggagtggaa agtatgcaga
120acacaaatta naaaattcaa tcttttgaga gattaaaata gggaaaggcta cactgaatt
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300tctctgtcatg tttctcacct tccatgcccc agtaaaactgt tgaaaccaga gaatgggtca
360gggaagcccc atcccactcc cctgaaaata tctgggagac tcttgggtga gggacc

416

<210> 1962<211> 409<212> DNA<213> Homo sapien

ggcacgagca ncnncnnaag taagaggagc aaacaaaatg tatcaatttc agccgaggtt
60ttctagggca aacactagaa tattgtacct ttgtacct gataccttat caatcaatat
120atattactga gcacttcgat gcaaggattc catcacctcc ccaacatgtg atatagaata

180gaagcaggta aatgtttact aaatgaaggt acacagcggg cttttggaga ggaaatagac
240tctggcctcc agccatggaa taatttatac tgtctcttgc taacatacct ggagccgttt
300cctcattttg tgatccaaag agtaaacatg taaaaccagc caatcttagg ttatatctct
360gccatcctag agagtaagtg ctccaggaca tcagagtaag aagtcctgga
409

<210> 1963<211> 408<212> DNA<213> Homo sapien

cggtgctgtc ggcgtgtgtg tgtgtgtgcg cgcgcgtgcg tgtgtatgtg tgtgtggtg
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120gtttttctgg gggtacttan aatttgagag tccgtgagaa gcattaggaa gaacattact
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240cttcttttaga tgtttggatt cccagtcct cttgttttga ggcgtgatat aaattcagcc
300tctcatacat ttaaaaatat cggttgaaca cctgctatat tctaggcacc gaggagacgg
360cagtgagcag acgagaatgc ctgctcttct ggagccacag aaaatata
408

<210> 1964<211> 404<212> DNA<213> Homo sapien

tggcgacaag attgaagcta ggtctcaggg gtctccagtc ctccctcacc agggccaccc
60cctgcagtat tgagcaccag ctggtccctc tagggagaga ttgacaacag cccggaccct
120gcggcctgcc tattccatct gaatgtcgca tegtctgttt ctactaggg gccgcctctg
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300gccacctact agtcatactg gcctttttaga tccctgaagt gttgttcaaa tccccggatc
360attgagtcct acccccagcc ctctgctgcg gatcactcct taan
404

<210> 1965<211> 411<212> DNA<213> Homo sapien

ggcacgagcc ccgttggcgg atgatttttc taattctgca actgcctgga gcgcgggcat
60gatgacagag gaacgggtcat tgatgatgca tccctggaag acctgggagc caggtctggc
120tccctggact gtatcttccg tgcctccagtg ggagtacaga ctgagaggga gaagggggcg
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240ttcactccta aaatgtctag taaacctttt agtctgttct attctgcatt cattcccttg
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360gacttcctcc tgtgaagaga tccttagtat actacttgaa gaaccgcgaa g
411

<210> 1966<211> 416<212> DNA<213> Homo sapien

ggcacgagtg acaaagactt cagtttagatc tcatgaacc tccagtttcc cagtgcgtac
60agtgggtaga tgaagctaaa ctaaaccaaa tgaggcggga aggcattcgt tatgctagaa
120ttcagctttg cgacaatgat atctacttca tccctagaaa tgtcattcat cagttcaaaa
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300gagaattaga agttgactcc caatgtgtga ggataaaaac tgaatctgaa gaagcatgca
360cagagattca gctgttaaca actgcttcat catctttccc acctgcatca gaactn
416

<210> 1967<211> 405<212> DNA<213> Homo sapien

cgcaagagac tattggcaat ggattcttct ctgtgtacag agccagcacc cacaagtgtc
60tgtactatga tgagaagaag agggccagtt tccacaactt taagtgcgag tccagcaggg
120aagaaatgaa atttcatgag ttctgtgaga aactgcggga tatacagcct cgacgagggc
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240acttcttagg ttttaactgg aactggatta ataagcaaca gggaaagcgt ggttgggggc
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360atgagcagcg gaactttttt gctcagatac taggtgacag acgag
405

<210> 1968<211> 412<212> DNA<213> Homo sapien

ggcacgagag gaagtattag ctaatcagaa ccacgggtgcc aggtgactc accaagggtc
60aagattgctt tacttagtag cctcaagccc aaggaactga ttgtgaaaac cactgaata
120aacaggaggg aggaagaggt aatactgttc atctatacat catataagcc tctgttaggc
180gctgcgcaat ctatcaaccc cagccctgcc ttcccatagg aaattccttt attttcaatt
240gccacataca tagatattcc acggcttaat atacaagcaa atgtgtatat tttttcaagg

300aacagaaaaa aacagtccat cttggctggt ccctatggac cccagcccc actccttctt
360caacaaagtc cctgattttc tcaaaagttc gaacaaaaag ctggaagcgc tn

412

<210> 1969<211> 407<212> DNA<213> Homo sapien

cgttgctgtc ggtatttcac taccattttc tgacttttag cttttatttt cacctcaatg
60tgatttaagc agacaaaaat ttctaattct gctaattctg aaggggaaat agacaaatct
120taaaagctgc ctgaaatcaa acttgattta actcagtaag aatgtgaatt atttgttcta
180cttgggtggt ttaatttaat cggtctgaat atgaacaaaa gggtttggat tttctaaaga
240tcagtggttg tttctgttca tcaggttaa tatttctaac tatattgctt gtaggtgacc
300ccattctgga tttgtttggg ttggtttggt tccagttaaa agagaggaca ggaactaaat
360ggggctaacc acttcaggtg cagcttggtc gaggttagat gggttctt

407

<210> 1970<211> 407<212> DNA<213> Homo sapien

ctcggcacga ggcgaggcca tgtggacccc cacacctttg gggccggctg ggcaaacctt
60gaacccccaa tttctgctg gcctttggct gccctccttc tccaaggcgt gactcttact
120ccagagactc aggcgagcac gtgtccctta cttattttc tctcaatcaa actgaaaccc
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240cccgtgccca ggacaggcca tgagccagag atacaagggg cccacgcaa gatgcagggc
300tctctgtcc tggtctttta tcgtcgtcgg gacacccctt gtccaaactc aaggaatccc
360gggaggtctg gctttgccgc tttggctggg actcaggtac ctgggctg

407

<210> 1971<211> 417<212> DNA<213> Homo sapien

gggatttggt ttcggcacga ggggtgatgc taggatgtc ctttatatgt gtcctggcct
60ctgcaggctt agggggcagt tttgaaaatg aggggaggaa gtgcttctgt ctgcacttg
120ctgggtgctg gacactgggc cgagcaccag tccctcctct tctgtctaga tgcctgagtc
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240gatcagaggg agccctggcc tgaagtgtt gctgggctgg ccaaggccct ctctggaccg
300ctgtacttca cactgtctcc cccaagccca gcctgtgccc ccttggtcag accccgttg
360gccctctgtt ttggaacca tgggaagaca gacctcatgt gaagggggct tcccaag

417

<210> 1972<211> 417<212> DNA<213> Homo sapien

nccggcacga gcggaaccc tgctcagtc tgccgggcac tgcattgcagg gaccgtccgc
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417

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240ctcctctacc tggtttcatt cctgtcccaa ctatgatgcc gcctccacca cgtcatatgt
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409

<210> 1974<211> 412<212> DNA<213> Homo sapien

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300agagccaaga tggcagcaca cgcacctacg aaatcacagt agtactgcc tgcaagtga
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412

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408

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180ttgaggagga agtggaattt gggcaaaaaca ttccttttgg aagtttggat ggtaaaagga
240agtgtagggt agaacaaagg taagtctgag aggttaagaga gaaggacac actttgggct
300tggcctgaaa tgagagggaa tgaggaaaac tgggttagagg gcaaggatgc tccagcctgg
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420ggg

423

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413

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404

<210> 1979<211> 405<212> DNA<213> Homo sapien
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240cgcaacttgg cactgctagt acggtgggaa cagcaggggtg gcgagggccc tgcagcccta
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405

<210> 1980<211> 407<212> DNA<213> Homo sapien
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407

<210> 1981<211> 419<212> DNA<213> Homo sapien
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300acatgaattt tcaataaagg aacgtggatt tgaagttcaa ttgagagaga tggagacag
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419
<210> 1982<211> 415<212> DNA<213> Homo sapien
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415
<210> 1983<211> 407<212> DNA<213> Homo sapien
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407
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411
<210> 1985<211> 414<212> DNA<213> Homo sapien
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414
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300tacaaagact gtgatccgca agttgtggaa gaaatacgcc aagcaataa agtagccaaa
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413
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300agaagcaact ctaggaagtg ggaatctgag acaagctgtt atgttgctg agggagagga
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409

<210> 1988<211> 418<212> DNA<213> Homo sapien

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180atgtattcct ttactacta ttttttcaaa acaaagatgt atggcttatt tcaaacatca
240ttttactttg gatatatggc ggtatttagc acagccttgg ggataatgtg tggagcgatt
300ggttacatgg gaacaagtgc ctttgtccga aaaatctata ctaatgtgaa aattgactag
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418

<210> 1989<211> 420<212> DNA<213> Homo sapien

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240cccttttgcag aaggacctct ggccacccgg attgttctca ctgacatgaa tgaccagaat
300ctagaagagc catccagata tattgatatc agtaaagtcc attatttagt ggatttggac
360accatgagag aaacaccccg ggagccaaaa tattcatcca atanagaaga atggatcagn

420

<210> 1990<211> 412<212> DNA<213> Homo sapien

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240gggtgtattgc cccagcggag agaaatgccc cctagtcggg tcgaatgtac cttgggcctt
300catgcagggc gaaatcgca ctatcttacc tggggatgtt aaagtgaaga aggagagaga
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412

<210> 1991<211> 415<212> DNA<213> Homo sapien

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120cacagaaaag gacgagatct tgtctgatgt ggcatctaga ctttggttta catacaggaa
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300gaggtggaca caaaggaaga ggcagccaga cagctacttc agcgtcctca acgcattcat
360cgacaggaag gacagttact actccattca ccagatagcg caaatgggag ttggc

415

<210> 1992<211> 383<212> DNA<213> Homo sapien

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180gacatccctg agaccacct gtcactcttg atgttgaac caggggccag gcctgctct
240cattgtctcc tgccctccta gtcccagga gaggaaaaga aatactgttt tagagaaata
300acattttcaa caaacatcc ctggagtcag attttgagtt ggggtgggct aatcagggag
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383

<210> 1993<211> 401<212> DNA<213> Homo sapien

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180cctaaatgtc accttgaatt acagcatgtt atataagcac atcctggccc ttccttgaat
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300tgtcttcccc ttaggaattt tactgattcc ttaaatttaa aagggcgtgt tgtaaccttt
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401

<210> 1994<211> 385<212> DNA<213> Homo sapien

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300gtctataaaa acgtttgttc tcagtcagc tcagggtctt gccagcagtc tttcagattt
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385

<210> 1995<211> 396<212> DNA<213> Homo sapien

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120tagttttgac acctggtgag agatgtgaag tggtccttta tttacttata tttatttatt
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396

<210> 1996<211> 383<212> DNA<213> Homo sapien

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383

<210> 1997<211> 388<212> DNA<213> Homo sapien

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120gcttttatta accttcttca tggactctt gagaggctgt ccttatctct tactgatgat
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388

<210> 1998<211> 399<212> DNA<213> Homo sapien

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399

<210> 1999<211> 398<212> DNA<213> Homo sapien

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398

<210> 2000<211> 400<212> DNA<213> Homo sapien

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400

<210> 2001<211> 402<212> DNA<213> Homo sapien

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120gttttttttt gggccccggg ggggttaaaa acccggggaa aaaaaaatt cccccacca
180accgaaatc ccaaaaaat tgggaacag gggggcccc ccccccccc cccccctt
240taaaaaattt taagaggggg gggcccaa tttttcccg gcggaattta aaaaccggc
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402

<210> 2002<211> 402<212> DNA<213> Homo sapien

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402

<210> 2003<211> 401<212> DNA<213> Homo sapien

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120atggagagag tttaaaaatg taaaacttca gctatttttg ggctgaactt gcttacttga
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240tctttactat tcagatccaa gttcatgat ctacttgatc ttcattgtct ttaaaacatt
300cgaaagatgt caactgagag aaacatttca gaggggggag gcttttggca ctggtgataa
360acatccctcc aagagaaccg cctggggctc tcttctattt g

401

<210> 2004<211> 400<212> DNA<213> Homo sapien

ggcacgagac aaaatgctct cttgatctta ttgcctcat ctctctcatg gttgtacaga
60ggatagcacc ccaccatgcc agcctgactt ggagatatct cctgctgctt gcctgcaggg
120agttacccca gtttccaaaa acagtcgccc agataaagga ggaaaaggga aaggcagacg
180aatggcatgg cttttactaa agaaaagatg ttggcctcat actctatact cagggttaa
240tgaactggaa tctgcataac tcagcagtc acccagaagg gaaatgggta aactgagctt
300gttattgctt cggagagcct aagagcacc gcacacttaa ttctactccc tgtctagaaa
360agctgtcagg gagtcgtttg gaattgcaat gtagttattn

400

<210> 2005<211> 382<212> DNA<213> Homo sapien

ggcacgaggt ggcttggtgc aaattacatg caattagccc tcagacagcc tgaatcgaga
60gaattgtggc aaaacttgat ggtgcagaac ctaggcaggc agccagactc ctaaaaccag
120tcacgtaaat ttgctgctgt aactggatct tccaagcca caagtctgag aaatgggtgg
180cactctgacc tgaccactag attttcagga tattctctct aagagaggta tccttgcttc
240taagtgaccc ctaaaacaga acctagggaa ctctcagcca gataaattag aaattgatcc
300taaataggct tgtgcccagg aaatcaacaa tgcagtaaaa atatcaggac aaaagcaaga
360atacttccca aagtcagaac tg

382

<210> 2006<211> 382<212> DNA<213> Homo sapien

ggcagcaggt tgggaagggt gtagtgccct aggttgggtga cagaagggac agacacttgt
60gcacaggtgt ctttgggtgat ggggtttttt tttttataac ttagtaaaaa aaaaaaaagg
120tttgggaaat tttgtttttg ggaaaagcta aaacccaggt taccctgagg gggcgagggg
180ttttctttcc tgccctttaa atctctttga aaataaaaac ctggcacttg ttgatggtgt
240ttccaaaccc ctttaatttc caaaaaaac cccaagtta aggtcttaat ggggagggga
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360aaagttttaa agtgccgttg gt

382

<210> 2007<211> 386<212> DNA<213> Homo sapien

cggttgctgtc ggaacaaggt aagacacatt taatatatct gatcaagtgg tcttgtccaa
60aaaatgtcct gatacatttt tttaaactaa taaatggagg attgcagact tactgaatat
120ggcaggatcc tttagcatgt aatactttta aatggatcca cactgaactt ctgctggatg
180tactggagta agagtggcca gatattatct cctctctcaa acaatgcaaa aaccagacaa
240ggatatataac ataagagttt ttagacacta gacaatactg ggcagtgatc cctgagagaa
300aatgaatgag gcacccctac aatttccata gcattctgcc tagatagctt ccagtctgta
360gtctgcagga aggagatcca aaacag

386

<210> 2008<211> 397<212> DNA<213> Homo sapien

cggttgctgtc ggaagaccaa ggactaggag tgtgagaaaa attgatcctc aggaggaaga
60ctgcaatgca tttagcagga aagagtaatg tttcttaaga aaaaaatgaa acaatgaaaa
120tccactaaaa tctgtctcaa ggataatatt ccatgactct acagggctta atgcgtgtga
180catatataga cttctgataa gcagtttgaa ttatatgggt cagagaaatt tccaggatcat
240aggacttctc tttaaagtaa aataaatagg ccaggcacgg tggcttattc ccgtaatctc
300agcacttttg gaggccaagg caggtggatc acttgaggtc aggagtttga gaccagcatg
360gcccaacatgg tgaacccccg tctctacaaa aatactt

397

<210> 2009<211> 396<212> DNA<213> Homo sapien

ggcagcaggc tatcaatgta agatacatat tcagattttg aagactagta ttacaaaaag
60aatgtaaaat atcacattaa taattttata ttaattacat gttcaaatga tattttggat
120atactgaatt aaaacattaa aattagttct acttgtatct ttttactttt ttaatgtggc
180tagaagaaaa taaaattata catgtggctc agattatatt tctattggac agcgtgctc
240tagaacatta tattaagtgg ttattattga agtagacca agtttatacc ataaggatat
300ttttccttaa ataccatgtt tgaagaacaa ttatttattg atccttgaat ctgtaagatc
360aaataacaag tctctatcca tgttacaaa tttaan

396

<210> 2010<211> 394<212> DNA<213> Homo sapien

cggttgctgtc gattttttcc tggagagcct tatcatgtat tttatatgct tatgtgggtg
60tggatgacat catggaccat atagctttta tagagaattt ttctcaccat agaactgagg
120tctcaccagg tgatctacta tgcaaattcc tacagttttc tattcttaag aaataagggc
180cgggcacggc ggatcatgag gtcaggaaat tgagaccatc ctggctaaca cggtgaaacc
240ctgtctctac taaaaatata aaaaaatta gccgagcatg gtggcgggca cctgtagtcc
300cagccacctg ggaggctgag gcaggagaat ggtgtggacc caggaggcag agcttgagct
360gagccgagat cagccactg cactccagcc tggg

394

<210> 2011<211> 396<212> DNA<213> Homo sapien

gtccagttgc tgacggactc actttttacat ggtcagcttt cagagaataa tcacagagat
60gttagcagat tagggggcac tttaaagctt ttgttgcgat gtttttcagg cttacaccaa
120ctttcgcatt catagaatgg tgggacctca aggatgagtg aggagagaag gattcagtg
180attttctgaa aaattattca ttacctatag ctgatacgac cagtgccagc catgaattac
240ctagtcccca tgcattgaca gctgatttac attcttgccg cagctcctta tctcatagta
300gatcaggcgt ttgagtagca tagcattagc ttatctgttt ttttaagatc aatagaactc
360aacaaggac gatagaactg tataccccag tcaatn

396

<210> 2012<211> 385<212> DNA<213> Homo sapien

ggcacgagag tgagtctatg tattagggat aacagaagga aatcaagcac aaacttgctc
60ttttatttaca ataaactcca tacggaattt gaattctaaa gttacaaaat caatgaactc
120catgtaaaaat agtcttttaca tggataatg gaaaacaatc gatggctcctt ttcttaaaa
180ccaatttttc cccattgtaa tacctttttt tttttttaa agaaaatctc gctctgtttc
240cagggctgga gggcaacccat ttccatgtaa tatgtacttt ccccgaggac tgccagaact
300cacttgccat ttttaaggga tagaacccca ttgactaaac acccttccaa acacccccg
360gatcaatact ttgtatcctt caatc

385

<210> 2013<211> 402<212> DNA<213> Homo sapien

ggaaacgaag tttttgggag aaatccgttt gataaagcct tggcggcttc gaggtcatgt
60gttgagcctc tggctgcatg aacaaaagcg aagcccgtt tcatggagct tctgtgaaga
120gcaacaggaa cacaggcagt ccagtcgtcc tgagatactg ggaggagcat ggttgctttt
180gaacacgtag gagataaagc ctctctaata atgcctgttt ttttttctt cactctgtct
240cccaggctgg agtgacgtgg cacggtgtcg cctcactgca acctccgctt tctgggctca
300agtgattctc ctgccccagc ctcccaagta gctgggacta caggctctgtg ccaccatgac
360tgtctaattt ttttgtattt ttagtagaga tgaaggtttt aa

402

<210> 2014<211> 397<212> DNA<213> Homo sapien

ggcacgaggg acatggctct gctgggcaaa gcaaggacgg gcacatccaa cctatgcggt
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120ccatggtaat gtagaaaaag gggccagcgc ctccagaaaa tgggacccca ggcctggctc
180tgctccttct gctgtgtgat tctggttgag tggccttccc tttgagctct ctggatgaag
240ctaaggagaa gtcttgggtt ctcaagtagt cactattcag actctcgctt tcagagtatt
300tataggagga aaggacacat aaggataggg ctggtggact tataaggccg tgtgtttgac
360gccaccccat ttgctccag ggctgggtgt ttgtctt

397

<210> 2015<211> 396<212> DNA<213> Homo sapien

ggcacgaggg gacctgctc gccagatgt gctcctggac atttgcccag cgtcctactc
60agcaggaact gagggccgt aaagcagcac ggccaggggg acgtgaacgg gctcgctgg
120caactgccc ggacaaggcc cgtccaaca aagggtcctt ggccttgnnn nnnnnntann
180tgngnntnn tgggaagttg agtgggtgggt tntaacctat acaggtttct ttactctgtc
240tttagctcgg gccctccgt tttttttcc ttgaatccga gacgggaata ccgtgggctt
300tctggcctta tcccacaaat ataagaacat tccactgggt gtctgcttcc cccctggaat
360ataggactct ttcctggggg cctgtgaggg cttttc

396

<210> 2016<211> 392<212> DNA<213> Homo sapien

ctgcctcagc ctttcgaacc ggtgagacta caggcatgag ccacctcgcc ccgcctgag
60gatttgaac tattaaaatt agagacctac cgattattga ttgtgtcaga ttgagctact
120aattcgatac tcaggggggg gtagagaact agtagaaaac tttggaaaat gtcatatagc
180ttaccatttc gagctttgct ttattagata gtgcatgagg ccttcctttt aagaaatga
240atcaagggtt gaggtctgta atagagtatt aattttaaag ccaactcttc tcttggaggt
300cctgtcagta gcatatccac catatggccc tttcttctgt tttcctgtat tgcattctc
360ctatttagtt ctgtgctctt agatccttct tn

392

<210> 2017<211> 389<212> DNA<213> Homo sapien

ggcacgaggg ccgctggcta tcttggggga gccagctgtt ggactatgcc ccaactgccg
60gaaacaggcg ccggaaggtt ctctgacaag atctcgcttt cctagggcgg tgaaggcgtt
120caaaggctcg gaaggggagc tgggagaagc ggggcagcgc tgagccatgc tcgcgaactg
180tgggtctgtc tgtgaagaga cccagtttct tgggaccacg gtggcgctg cgctgggagg
240tgagcttgtg acagagcgaa aactacaatt cccagcattc ctgtgggtgcc agaactacct
300tgcccgaag cctgtgcgag atttaccggt tcttcgcct cctcccacc ggaaaactct
360gaggacatga atagtcgcca ggcttggcg

389

<210> 2018<211> 398<212> DNA<213> Homo sapien

ggcacgaggg aaagaggagc gagaatcaga tagtggaggt atgatgggac tgggtggctaa
60acagagaagg agaggtatat aagatcactg gaatgggaat ggttgttttg gaagtagtga

120agttaggaca caaggggtgaa ctgctttggg gtttgtatcc attctgttag ccttttgtat
180ttaaggccag cactgaagca gtggaggaaa tgggcaaagt aagaagagag aattctgaaa
240tgaagctgac tttgagcagg agtgggaggg aataagctag attatctggg cctccagcat
300ctctagacct agagggtttc tctatttctc cttttcactg tgaccagga aataattttc
360agaagtaaaa aatctcatct gagactctgc aacaggcn

398

<210> 2019<211> 400<212> DNA<213> Homo sapien

gttgctgctg attttaagaa gaaatttaaat tgtatttagc tctgtgtctc gccctttgg
60tgtcactctt ctacctcttc catcactata gctaaatatt tagaagtata tcttgacacc
120tagcacaaat gttttgggta agtatcttaa aactgatgga tggatggct ggggcagcat
180ggctcacgcc tgtaatccca gcactttggg aggccaaaggc gggatgaatca cctgaggta
240ggagtttgag accggcctga ccaacttgga gaaacccgt ctctactaaa aatacaaaaa
300ttagtcaggg gtggtggcgc atgcctgtaa tctgtctac tcaggaggct gaggcaggag
360aattgcctga acccgggagg cagaggttg agtgagctga

400

<210> 2020<211> 397<212> DNA<213> Homo sapien

ctgctatcg gaacaatcct tgagggtgag aacgtggatt gattcttgat tgatagtgg
60gattccatta tctgtatttg gcagttatgg cctgctgcgg tgtatagaag cttctttcca
120ttcattttcc cgaattttca tactgtcaa ggaacagttg ggggggaatg ggcagaaggt
180tgggcacttg agtatttgag ctatcggtaa taactgactt tttagggagc acagatttga
240gtagagccat ggtagtagtt agtaccaatg gggttttgc tcttctactc tttcttaaca
300gaaaaagtgg attgtgttca tataggaaag cagttcacag actgtcttcc tgccctccc
360gccaccaagc tggacctaga atcaagtgtg acttta

397

<210> 2021<211> 391<212> DNA<213> Homo sapien

cccagtctac attgaggtat agtgtattaa aggatctcag gagacttgca gcaaattact
60actgcttctg tgcttaaatt cagatgtctg agctctaaaa aaaagcactc ctagttaaga
120ctccaattgg gttgtaacc ctttggggcc caaggtttat ccaaccccag agggattttt
180tttggctcct ttccttcaag ggaaggcaa aaacggcttt aaagcaatat acccagggtt
240tcttgattgc caccaaatgg cctggacccc caaaaaaaaa aaagaatctt aaaaacccc
300ttttctaate ctttttaata aagggggaaa taagaaggtc tttgccttcg gaaagtctgg
360catgttgccc attacttraa ttttctgcca g

391

<210> 2022<211> 391<212> DNA<213> Homo sapien

ggcacgaggc ctggaggctt ttcaggtggc ccagcgtggg gtcctgtcag ctctctctt
60aggaaccccag cagagggcag caggctcctt tcacttgcgt agtaagaacc cctccgtttt
120tgtgtgtttt tgtttttggg tcttgagac aaggtcttgc tttgtcacc aggctggagt
180gcagtgtcgt gatcaagggt cactgaagcc ttgacgtgtt gggcactgcc tcagccgccc
240aagtatctgg gaccacaggc gtgcaccacc atgcatagct aatttatttt ttgtagagac
300agggtctccc tgtgttgacc aggttggctt cgaactcctg ggctcaagca gtcctctgc
360cttggcctcc taaaagtgtt gggatcacag g

391

<210> 2023<211> 389<212> DNA<213> Homo sapien

ggcacgagct tagctgagct tgttgatatt cttatcttat gttctgtcca ctcatggctg
60ggggccctgc tcacatacca tctattctat gaagctgcgc ctgagtgagg cttccttact
120gctttgttac acagtaccaa acatagtgcc tagcatggaa tagatactca atagatattt
180gttgaatgaa caatgaatga atatttgttg aatgaatgca ttatccact tgggagcaat
240ccactcttcc tctatgcttt tatatcactt tgctctacc tcttttatg gagctctcta
300catttaacct ttatttttag taattatgct ttagatgcaa ccccttctcc agaaggctcag
360cccttgata ataccgctg ggtcaattg

389

<210> 2024<211> 387<212> DNA<213> Homo sapien

ggcacgagga aagttttgct ttggaagtac aagaccatgt cttccagata ccagccccag
60attaccttca gcattggggc ccagctggag acaacgttga tcataatgaa aaggactgtg
120ttttcaagaa ccatactgag gatgaatccc tagagggaat tcagcccca gtgggggagc
180atggtttgaa tacgcccttc tctgtgagga gaagctggga ttcattgaat gaggatgtgg

240aaacagaagt tctaagcatc tgctttaatg agaaggggtcc tggtcatgcc atgcctgtgg
300ttgactcagg aaacaggcag gaggataccc atggctccga tggagatggg gatggggaga
360ttgtggacga ggatgcagcg gtggcg

387

<210> 2025<211> 386<212> DNA<213> Homo sapien

ggcacgaggg ggcctcctcc gcgcctcgcg gcatggcgtc ggaggggccc cgggagccc
60aaagcgaggg catcaagtta tcagcagatg tcaaaccatt tgtccccaga ttgcccggg
120tcaatgtggc atgggttagag tcctcagaag catgtgtctt cccagctct gcagccacat
180actatccgtt tggttcaggaa ccaccagtga cagagcagaa aatatatact gaagacatgg
240ccttttgagc ttcaactttt ccacctcagt atttatcttc tgagataact cttcatccat
300atgcctattc tccttatacc cttgactcca cacagaatgt ttactcagtg cctggctccc
360agtatcttta taaccaaccc agttgt

386

<210> 2026<211> 383<212> DNA<213> Homo sapien

cccttttgga gaggcgacag ggggaattga ttttaaatat tgttttcgcc tcatcaaatg
60tcaccatcca gtttagctac tggatttcac tggattttct caaattggag tgtcgaatgc
120ttagggtttt gaaaaccgcg gcattggaaa gctttgatag gaagtaaag ttggagctct
180tattttctcca gttagcaaat gttagtgccc tggatatact ttaggggtcca aatgaacaga
240atagaaaccc tgctttgaag gagaaaaaca ctgaagagaa actacacgta attagtatt
300actgcgcagt atagcttagg aagtgtacc gtagtagaat aatctacagg ggagtgtta
360acagtgttg ggtaggctag acg

383

<210> 2027<211> 384<212> DNA<213> Homo sapien

cgttgtgtc gcttgcttt tacagagcca tgaagcagca gatgcaaccg aatactgtgc
60agcatgagcc acagacgttt acgggaagaa ccggcaggag gcgcgggaa actaaagggc
120tccagctctc tgagtgggtg ctttgccatt gtggctgtgc gagctcagcc tcctggaaac
180ccgccctgag cttggttaac agcattcact ccagggttag cccagctcca ggttatcgca
240ggcaggactc ccgagaacag gttcatgttt gctttttggg aggtgtgtgc cttaaagtga
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384

<210> 2028<211> 382<212> DNA<213> Homo sapien

cgttgtgtc ggcggctgga tggctcttat attccaaaac tcaccccaag cctctcctgc
60aggggtggcc agagattgat cccccagggc tgggttaggc atccctgtc atgccccaaa
120gcgcctgggt ctctgtcat cacacttagt gtaaggatcc atttactcat ctgcctctcc
180gcctctctc cctctctcc cctctctcc cctctctcc cctctctcc cctctctcc
240ctccccctcc ctctctgagg aacttgggtc agctacagtc aatatctaga gaaggtattg
300gcctagagaa ccttgtctaa tcttaagccc gcacacctgc cgtactttgg gatcccccg
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382

<210> 2029<211> 382<212> DNA<213> Homo sapien

cgttgtgtc ggcagaacta ctactaaga actactccct gtttgtgagg attgtacctg
60ttgagagaag ttgcaaaaag aattagtcaa aagaattagt caaaatttgt cctctgacct
120aggtctgaag gacatttaac acattgattg ttctcttcat ccagcctttg agccctatga
180gttagtgccc ttagcctttg agtcccacag gtatggagga gctacctgtg gggacctgag
240ccatcactat tcctgcttca agttacactg gtgcctctca ctgacctgc tctgaaaagc
300cagctggaaa aatcaatgca tttgagtaca taaattcttt ggctccaaag aaatgccata
360gcaatattgc ttttaattca gn

382

<210> 2030<211> 402<212> DNA<213> Homo sapien

ggcacgagat tatgattata gtaaacagac tagtgggtag taatgctaaa ttaccatcac
60agttatgtgc catctcccca cccattttt tttttttttt ggatcaccaa aaaaatccgg
120gaaaccagcc tgaggggggg ctgacctgt taggaggggg gcaccaccac agggggggga
180attaacgggg accccgggct ccaaaaagac caaaaagtg gcccttgggg cccaccctaa
240cctaaaaaaa aagggggccc taactggaat tcggaaacaa gcggatttga aaacaaaaa
300aaaggatttt ttggccccct ttttaacaa gcggccttaa aatttggaaa accccggcct

360aaaaaaccta gaaaaaaagg ggagggaat ggagggcaaa aa
402

<210> 2031<211> 382<212> DNA<213> Homo sapien
cgtagctgtc gggagggttt gaaggagacc atcagctatt gtgtgatatc agacaccatg
60gtgatgtaac ggatttacag ttttttgacc aggaagaat tgtcgtgct tcatcaacag
120gatgtgtaac agttttcctt caccatccaa ataaccagac tctgtcagtc aaccagcagt
180ggactacagc tctactaccac acaggccctg gcagtccttc ctatagcagt gcaccatgta
240caggtgtgtg gtgcaacaac ccagaaatcg ttacagttgg agaggatggg cgaataaatc
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382

<210> 2032<211> 401<212> DNA<213> Homo sapien
ggcacgaggt gatcaaggag atggcagctc atatccgtga ggtggagcag agccgacagg
60aggtgggttcg gtctgtctta gagcctcagg cagtgcaga cccagaagag ggctcttcag
120cacctagaag ctggaaagg atgaacagcc aagtagcttc cagcttacag cagccctcaa
180atttggacct gccaccagct ccagagcttg actggatgga gacaggacca tctctgacat
240tcattggcca tcaggatata ccaggagttg gtaacatcca ctcaggtgcc acacctccct
300ggatgatcca agatgaagaa tacattgctg ggaaccaaga aataggacca tcctatgaag
360aatttcttaa agaaaaggaa aaacagaagt tgaaaaaact c

401

<210> 2033<211> 396<212> DNA<213> Homo sapien
ggcacgagat tctccgggt tatattcatt ctctgcttct ttctcccttc acccgtggga
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120ttttggagat tttccttcag ctacaaatgt tccagtacaa ccaatattac tcttgagggg
180caaagacttt ttcataattta tgtccctagt atctggtatg gcgcttgga tatggcattt
240cagaatatgt tcatagttga aacagtagga tagatatttg tcatcttgac aagtagccct
300ttgcaattta tacttgagtt cactcctggg caatggcaca tggctggaaa atgcagaaag
360caaattcact tacagcctga ggcttataaa gcttgt

396

<210> 2034<211> 396<212> DNA<213> Homo sapien
ggcacgagaa cagaagtgtc tggagtagtt ttcaggtata ggaatgagat gcctcgtggg
60gaaaggatct caccctggga agatgtggtg cccctccag ggctctggag gatggatgcc
120tccccccagg gctctccaag ctgggcattt gggcctggtg gatgccaacc tggataacct
180gtggccccagc attgactgtc caccagcct tgcgttagg caccatgact ccaagatgaa
240gatgtggtcc ctgcccttga gtgacagccc agggacttaa tgtggccatc gggcatcaag
300cacaaggcca tgcagtgat gatacgtcgg aatagaggca ccagccctgg taactgcac
360ttctccctt gccaccccat ggccccggct gaaagc

396

<210> 2035<211> 392<212> DNA<213> Homo sapien
ggcacgagat catatccagg atgccccaca tacaccaagc caggcagagg gcagctcagc
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120ccactgcccc cagagccagg cccagttgtg ttggagtata ggtcaggagc tgtggaagga
180ggcagctctgt gagggactca tgccttagga gtctcacc ctcagactgc tgcaggacat
240tgccaggcct ctctccactt ctttctcag catacagact tcatgctatc ttccaattcc
300ggggagtctt agctattagg gcagtttctg cttctccatt ttggggacaa aggccttgcc
360cagtacaaat ctagccctt gtcccacaga cn

392

<210> 2036<211> 389<212> DNA<213> Homo sapien
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120caagattaca ttacaaaaa ggtccgagt acagccagtg agaagaatga gtataaagga
180tggtttttaa ctacagacc agtctctgcc aatattgtcc ttgtgaactt ccttgaagat
240ggcagcatgt ctgtgaccgg aattatggga catgctgtgc agactgttga aactatgaat
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389

<210> 2037<211> 397<212> DNA<213> Homo sapien
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120cctccccact aggaacaggg tgggaaagtc tgctcctgag ccaggagtca ggctgggagt
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240cagatgtggg cccactcaga ggctgcctcc tggacctccc cttctgctgg accccggcgt
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397
<210> 2038<211> 389<212> DNA<213> Homo sapien
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389
<210> 2039<211> 391<212> DNA<213> Homo sapien
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391
<210> 2040<211> 395<212> DNA<213> Homo sapien
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395
<210> 2041<211> 392<212> DNA<213> Homo sapien
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120tcacaaagcc tattctgaaa tggggcttct ctttattgtc ctgagtcac cctgtgcaa
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392
<210> 2042<211> 401<212> DNA<213> Homo sapien
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120aaccatgtgg tgctttggaa agtcctatgg caacaataac caagataaca aggcgtcgcc
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401
<210> 2043<211> 398<212> DNA<213> Homo sapien
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180gctctaggac gagctctgtg tccccacac cacaggctc gaagcagggt gctgggtggg
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398

<210> 2044<211> 397<212> DNA<213> Homo sapien

cgttgctgtc ggaaagctct gtgttctttt gccttcaatc tgnrtggcttc aaaacaaaca
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120tatgcacaag gtaggactta cttcgttaaga aacaaaatgc cagtattttc ttaagccatg
180atgtgaaacc aatgacctg tgaccacatg gcacagaaca ctaaatattg gtcccatggc
240tgaaacttga gggtagactaa aagtaatgcc tgtgaaacat gatattctatc tgggatggcc
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360ttttcagttt taaatgtggg caaaaaggca ttctctc

397

<210> 2045<211> 394<212> DNA<213> Homo sapien

ggcacgagca ggcggcagag gttgcagtga gccaggatcg cgccactgca ctccagctc
60agcaatagag tgagactgtc tcaaaaaaaa aaaaaaaaaa accccccca ttttcaaaa
120accctggaaa attttttctg gggcccttt taataaaaaa ccacgggggt tttacttttg
180tatttcccca aaccctctg ggcagggtt tggggggcgg aattttttag ggccctcaaa
240aaaatccttt ggggtttgaa aaccgggaaa accggggcat taccctttt tgggaagggg
300gcaaagcctt ttttttttg ggcctttctt tttttgagaa ggggtcttcc ctgtcccc
360ctgcttaaaa accctggtgc aaaccgtgc taag

394

<210> 2046<211> 397<212> DNA<213> Homo sapien

ccaaaccac gtcaaaaatg gcttgttttc agcgatgtta taaaacaaag gcctgtttt
60tggaattggg ggtgactggg tggtttggat tgaaatgtg acaaagatag catgtgtatt
120ttgaataaaa taaaattttt gtaataaaac ttttaaaaat cagtgtatga aatcaatat
180ttaagactat aggtataaaa ttgtttgatt tcattaacta gcccttttga tgcctagaca
240tgttgtaaaa aaattgtgct atggctgctt ttctttctgc ccacaacac aaagggctat
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360aactggagta aataatgggt ttcttacttg cttanaa

397

<210> 2047<211> 400<212> DNA<213> Homo sapien

ggcacgagct ctggggctac aggtgaggac aggaggggga gctcccagcc tgagagtgtg
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120tcccattgtac tgctggtatc tgagtcagaa gtacccaaa caaagccacg tcacgccatg
180aaacggaagc ggacagcaga taaatccact agtacaagt atcctgtgat cgaggatgac
240catgtgcagg ttcttgtatt aaaatccaag aatcttgttg gactactat gaccaattgt
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400

<210> 2048<211> 401<212> DNA<213> Homo sapien

ggcacgaggc tatccctcct cctgttctt cctccagagg tagtctctgt taccctttta
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120tcttctctca taaaagtgtat tattagtctt cagtgcgcct tttttctcc taacaaatgt
180aaactgggag ctttttccca agtacatatt tataatactt acggggccta tctagtattc
240tgtgaatata tactgttaat ttattccttc ccattgacag acttaccttg tttccatgta
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360gacattttat ataataagtt gttgggataa gcagttttga a

401

<210> 2049<211> 401<212> DNA<213> Homo sapien

gggccattac ccagccccgg gccccgggtg cctctgcgtc cgtgccaggc ctccatgatg
60caaggccaca tccccgtgct tccagtgaac agaccactga ccaccctgac tgtccaaacc
120tgtgacccca ggccaggga cggggaggaa accaaagaaa accattttca gggagctcag

180acgtcacagg agggagcggg agcaggatgt ggccttggcc tcgccagagc acctgaagaa
240gcatgccgtg agcaggcgtg cgagtgcctt gggcgccgtt tctcacgcag tgaatgcttt
300tccaggcctc tgttgcttac tgcaccacac ctgggggggt gggagcgtcc tctaggtgcc
360cctagtcttt tgcctgcct cccagaggga ggaaaagccc c

401

<210> 2050<211> 401<212> DNA<213> Homo sapien

cgttgtctgc ggctgtctgt cagtggagat ggtgttggct gtctgtcggg ggagatgggt
60gggggtgtct gtcgggtggag atggtggggg ctgtctgtcg gtggagatgg tgggggctgt
120ctgtcagtg agatgggtgca ctctgactgc tattattcta catttcaatt tgcactggta
180ctagggacta gatagaattg accggggccat tgaggatagg ctgcttctac tacccccct
240gtccactggg cagccacttt tttagacacc aggtgtgcac cgggcgcatt tcctctcca
300gcccgtctta ggatccccac cctgtgttg aagggggccc attcttcaac gcttcataag
360acacttgtcc ggagaaacct ccgttcgggc cgaaactgtc g

401

<210> 2051<211> 395<212> DNA<213> Homo sapien

gccaaacatc cagaatgtga tgggacaaga tgggggcagg ggcctcacct ccctgcagag
60gtccggccag gtctccttgt ccctggacaa tctctgagc ctctctgctt ggtggagcag
120gcacctgtgt gcagaattcc cactgtggcc agcacgagg agtcttttct agtgaaaatg
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395

<210> 2052<211> 390<212> DNA<213> Homo sapien

ggcacgaggg tgtgtctgcc acccgccctt ctcaagtga gctctgggtc gagagaggga
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390

<210> 2053<211> 388<212> DNA<213> Homo sapien

cgttgtctgc ggcagatcac ttgaggtcag gagttccaga ccagcctagc caacatgggt
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180agtgtgctga aatcacctca ttactctca gcttgggcaa cagagcgaga ctcttctta
240aaaaaaaaa aaaaaaaaaa tccggggggc gttttttacg aaaatccaaa ctggataaaa
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388

<210> 2054<211> 397<212> DNA<213> Homo sapien

ggcacgagca gaggtgggag gtgatgagac tcaagactac agagagaaga aagggccggc
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120gagggagggt gggtggggga caaggcagag atgcatatac ctgggacgta cacctgcgtg
180gagcccagaa ggaggcttct gtccgccaca ctgctagtcc ccagggcccc cttgcaagt
240gacatcatgt taccacacat gcatgtgact tggccagagg agacagagtc ttcattgtga
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360tcagcccctg ctcatctcat tggcccaata cctgtgg

397

<210> 2055<211> 390<212> DNA<213> Homo sapien

cgttgtctgc ggccgcagg gtgcggcg gtcccgcg gaaggtcggg tcagcccagg
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120tctgcccagct cccctctctg gcgggtgttc tgggtccaag tctgggagcc caggtagccc
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300cctgttgcc tctgtggtcgg ggctgtgggt taccacctgg aatggttcat caggggaaag
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390

<210> 2056<211> 403<212> DNA<213> Homo sapien

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120gatttcacta agatcaaggg atggagggga aaatttcata gtgcttctgc atctaggaat
180gaaggtggaa attcagaaag ttcactgaaa aatcgttctg ctttctgtag tgataagcta
240gatgaatact tggaaaatga aggcaagctg atggaaacaa gcatgggttt ttcttcta
300gtcccatat ctctgtgggt gtaccagctt cccactaaga gtaccagtta tgtacgaaca
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403

<210> 2057<211> 391<212> DNA<213> Homo sapien

ggacgagggg gatgagagct gtttcgttcg ggacaagtcg ccggcggcgc ccgacggagc
60agaagagaga gcatggagct ggagaggatc gtcagtgcag ccctccttgc ctttgtccag
120acacacctcc cggaggccga cctcagtggc ttggatgagg tcatcttctc ctatgtgctt
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300ggggacatga tgcaaaagct ctcagggcag ctgagcgatg ccaggaacaa agagaacctg
360caaccgcaga gctctggtgt ccaaggctcag g

391

<210> 2058<211> 396<212> DNA<213> Homo sapien

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60ttacgaggat ctcttctct actccaacgc agtggccgag gaagctgcct gccgggtgc
120tgccccctgag gaggcctccc caaagccagt cctgtgtcac caatcaaagg aaaggaagcc
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240ccctcttgga gagacccgcc agaaactctg gaggagcctc aaaatgctcc ccgagagagg
300ccagagggtc cggcagcagc taaaaagcca cctcgccact gtgaacttgt cgtcactctt
360ggatgtccgg agatccacgg tgatctcacg ccttgg

396

<210> 2059<211> 402<212> DNA<213> Homo sapien

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60cgtcacctag caacagttat gatacttccc cacagccttg cactaccaat caaaatggga
120gggagaataa tgagcgatta tctacatcca atggaaagat gtcaccaact cgctaccatg
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240atgataaagt ggaagaatta atgaggaggg acagcagtgt gataaaagag gaaatcaaag
300ccttctcttc caatcggagg atttcccaag cagttgttgc acaggtaca ggtatcagtc
360agagccggat ctctcattgg ctgttgacgc agggatcaga cn

402

<210> 2060<211> 395<212> DNA<213> Homo sapien

ggcacgaggc ggcgggcgca tctcccacca gagtcaggac aagaagattc acgtgtacgg
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240cccatggagc acacgccaga cctgaggggt gggacggaca cccccaggca tggccggctg
300tctcctctcc ctgccttggg aggccttgct gggctctagc tgtcctccag cactttgggc
360cctgggcccc cagaggcagt cagtacctgg gtgga

395

<210> 2061<211> 387<212> DNA<213> Homo sapien

ggcacgaggc ggcgggcgca tctcccacca gagtcaggac aagaagattc acgtgtacgg
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120aggcccacct gagcctgctg ccctgaccgg tggccccagc tgagcacgca ggcttcttgg
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240cccatggagc acacgccaga cctgaggggt gggacggaca cccccaggca tggccggctg
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387

<210> 2062<211> 390<212> DNA<213> Homo sapien

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120ggctggagaa cctgtaaacy tgggggcccc gttgacaaca gaaacagaag tccatattgct
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240ggaaaactcc cgtgtgtatc atctggaaga acccaagtgc ttggaaatat acccccagca
300agctgatgcc atggaactgt tgcttggttc ttatccacag tttgtgagag tgggggacct
360gccctgtgac agtgtggagg accagctgtg

390

<210> 2063<211> 401<212> DNA<213> Homo sapien

ggcagagca gggcctcttc aacactggca accagagaat gttaaccagg ctttcaccag
60acccccacct cctatcctg ggaacattag gtctcctgtt gccctcctt taggacctag
120atatgtgtt ttccaaaag atcagcgtgg accctatcct cctgatgttg ctagtatggg
180gatgagacct catggattta gatttggatt tccaggaggt agtcattgta ccatgccag
240tcaagagcgc ttccttgtgc ctctcagca aatacaggga tctggagttt ctccacagct
300aagaagatca gtatctgtag atatgcctag gcctttaaat aactcacaaa tgaataatcc
360agttggactt cctcagcatt tttcaccaca gagcttgcca g

401

<210> 2064<211> 398<212> DNA<213> Homo sapien

ggcagagca gggcctcttc aacactggct tccagagaat gttaaccagg ctttcaccag
60acccccacct cctatcctg ggaacattag gtctcctgtt gccctcctt taggacctag
120atatgtgtt ttccaaaag atcagcgtgg accctatcct cctgatgttg ctagtatggg
180gatgagacct catggattta gatttggatt tccaggaggt agtcattgta ccatgccag
240tcaagagcgc ttccttgtgc ctctcagca aatacaggga tctggagttt ctccacagct
300aagaagatca gtatctgtag atatgcctag gcctttaaat aactcacaaa tgaataatcc
360agttggactt cctcagcatt tttcaccaca gagcttgga

398

<210> 2065<211> 388<212> DNA<213> Homo sapien

ggcgccaggc gaacctcatg atctatatga tgatattcct ctcaaacttg ggggatgtga
60aaactcttgt actgaaggaa aagaccgcat atactgggcc atcaatgaca agcactttgt
120ggcccatata gtaactacc gatctcctgg aagacggacc cagcggcact attcaacct
180ccaacacctt atgtgttcaa tttgtgactc acgtgcacat ttatcagaaa acagtccctt
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360cagacattcc tgggataaac agtgtgac

388

<210> 2066<211> 397<212> DNA<213> Homo sapien

cgttgctgtc ggaccgcat cctgggggtc ttcctctata acaagaccaa gtacgatgca
60aaccagcaag ccaggaagca cctcctcccc gtcaccacag cagacctgag cagcaaggag
120cgtcaccgga gccactgga gaagccccc aacggcctcc tcttccccca gcacggggac
180tatcagtagc gccgcaacaa catcttaaca gaccacttcc aatacagccg gcagagctac
240ccaaactcgt acagtttgaa ccgctatgat gtgtagagtc caaaggacag gaccagactg
300ttggtgactc ctccccggc cccacagca gtatcagaaa cttctgacaa tcagtgaatg
360tacaaccag ccgaggggac ggtgcataac tctccat

397

<210> 2067<211> 395<212> DNA<213> Homo sapien

cgttgctgtc ggtgggcttg ctccattgtg ttggtgcaac cccagcagcg gtctctgggg
60ccaggcaggt ggtgggacga ttggacttgg aggggaatac agagggcatg gaagtggcga
120ggctggccctg ttggcgaggg tgtcctgggt gtggggcggg ctgagtcaag gaaggactct
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300ctcctgccct tccacctgcc ctgggtgttca cggcggcctg gtcccttctt gccgagagag
360tgtcctgggt cacggacgca gaggacgctc actga

395

<210> 2068<211> 399<212> DNA<213> Homo sapien

cggttgctgtc ggtgggcttg ctccaggggtt ttggttcaac cccagcagcg gtctctgggg
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120ggctggcctg ttggcgaggg tgccttgggt gtggggcggg ctgagtcagg gaaggactct
180gaaggtccca agcagctgtc gaggccccc aggaagtgggt tccaaccttg gaccctatg
240ggcttgatt tgctggtaa caagataacc tgagggcagg accccatagg ggaatgtac
300ctcctgccct tccacctgcc ctggtgttca cggtagcctg gtccctcctt gccgagagag
360tgtcctgggt caggagcga aaggacgctc acagactcc

399

<210> 2069<211> 400<212> DNA<213> Homo sapien

cactacttca cgggcctgca ggtgcttcag ctgctgtgc tgtgtgcctt cggcatgagc
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120tatatcctgc tgccccgaat cattgaagcc aagtacttgg atgtcatgga cgctgagcac
180aggccttgac tggcagaccc tgcccacgcc ccattcgcca gccctccacg tctctccagg
240ctggctctgg agctgtgagg ggaggtgtag gtgtgtgggt gactgctctg tgctgcccct
300tctcatggct gactcangcc tggggcatct gggcattgta ggggtgcagt ggtatgtgcc
360caccctctc ccattatctt ttagctttag gccaaagagc

400

<210> 2070<211> 389<212> DNA<213> Homo sapien

cggttgctgtc ggagaaaaat agaataaaac aacttgaaac tgactcctca gaagaaatat
60cacggttacc agaaatgatt cagaaacttc aaaatgtatt ggagctgag agagagaact
120gtgggcttgt cagtgaacaa aggctaaaac ttcagcaaga aaataaacag ttacggaaag
180agactgagag ttttaaggaag attgccctgg aggctcaaaa aaaagccaaa gtaaatatca
240gtacaatgga acatgaattt tcaataaagg aacgtggatt tgaagttcaa ttgagagaga
300tggaagacag taatagaaat tccattgttg aactgaggca tctcctagcg actcaacaga
360aggcagccaa taggtggaaa gaagaaacg

389

<210> 2071<211> 382<212> DNA<213> Homo sapien

cggttgctgtc gccctaaggg aacagaggct tcttcgggga cagaagctgc cactggcctt
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120gagagctggg aaccctccg tggtaagaag cgaagccgtg ggcctaagtc agatgatgac
180gggtttgaga tagtgcttat tgaggacca gcgaacatc ggatactgga ccccgaggc
240cttgctctag gtgctgttat tgctcttcc aaaaaggcca agagagacct catagataac
300tcttcaacc ggtacacatt taatgaggat gagggggagc ttccggagtg gtttgtgcaa
360gaggaaaagc agcaccgat ac

382

<210> 2072<211> 394<212> DNA<213> Homo sapien

ggcagcaggt taacagtgt gatgacagcg ggctgctgggt acactgtatc tcaggctggg
60atcgacccc cctcttcac tccctcctgc gcctttcctt gggggctgat gggctcatcc
120acacgtccct gaagccact gagatcctct acctactga ggcctatgac tggttcctct
180tcgggcacat gttggttagat cggctcagca aaggggagga gattttcttc ttctgcttca
240attttttgaa gcatattacc tccgaggagt tctctgctct gaagaccagc aggaggaaga
300gtttgcccag ccgggatgga ggcttcaccc tggagacat ctgcatgctg agacgaaagg
360accgtggcag caccaccagc cttggcagcg actn

394

<210> 2073<211> 384<212> DNA<213> Homo sapien

cggttgctgtc ggtctgaatg ccgcctgcat ggcattgggt gatgcagggt tgcccatgcg
60ggctctcttc tgtggggtcg cctgcgccct ggactctgat gggaccctcg tgctggatcc
120tacatccaag caagaaaagg taggtgtgaa gaccaggggt gctgaagggc agaggccaga
180cagctgccg tcccttctc caggctcgc ttctctacag acagtcggct catgccacct
240caatccact tagcaagggc tgctctaac atcatggttc atttagcagc aagtgtgga
300aaccagctc agacttgctt aattaggaag gaaatgtggg gccgggagcg gtggctcacg
360cctgtaatcc cagcactttg ggag

384

<210> 2074<211> 393<212> DNA<213> Homo sapien

ggcagcagga aaacttcaat gaaactgaat aaaacaactt cctctgtcaa aagcccttcc
60atgagtctca caggctactc aacacctcgt aacctccaca tagcaaaagc cccaggctct

120gctcctgctg ccttatgttc tgaatcccag tcacctgctt ttcttggtac atcttcttcc
180acacttactt caagcccaca ctctggcact tccaaaagaa gaagagtaac agatgaacgt
240gaactgcgta ttccattgga atatggctgg cagagagaga caagaataag aaactttgga
300gggcgcttc aaggagaagt agcatattat gctccatgtg gaaagaaact taggcagtac
360cctgaagtaa taaagtatct cagcagaaat ggn

393

<210> 2075<211> 400<212> DNA<213> Homo sapien

cggtgctgtc gaccaacacc aagtactgct tgtgccagat gctacgagaa cagctggagt
60cgccccaggg aaggttgctc catgctgccc agtcttcccg ggaaatttgt gaggcctttg
120gccttggtgc cttctatgag gagaccacac aggagctgga tgcccagcag gccaggctct
180cagccaagac ttcagagcag acaggggagc cagctgaaga tacctctggt gtcattaaga
240tggtgtgtaa gtttgaccgg agagcatacc cagcccagat caccctaag atgtgcctac
300tanagtgtg cgggagggag aagttggcac agcctgtgta tgaaacgggt caacgcctc
360tagatgcct gttctcctct attgtcaccg ttgctgaacc

400

<210> 2076<211> 403<212> DNA<213> Homo sapien

ggcacgaggt tcaagctgca ccgactgcac ttcattccgc tcttggcagg aggccccgag
60aagcagctgg aggcctcag ctatgctcgg cacttccagc ctttggctcg gctgcaccag
120cgggagatcc aggtgatgat gggcagcctg gtgtacctgc ggctgggctt ggagaagaca
180ccctactgcc acctgctgga cagcagccac tgggcagaga tctgtgagac ctttaccg
240gacgcctgtt ccctgctggg gctttctgtg gagtcccccc ttacgctcag ctttgcctct
300ggctgtgtgg cgctgcctgt gttgatgaac atcaaggctg tgattgagca gcggcagtgc
360actggggtct ggaatcacia ggacgagtta ccgattgaga ttg

403

<210> 2077<211> 400<212> DNA<213> Homo sapien

cggtgctgtc gctcactgca acactcttgc ctccagggt caagagattc ttgtgcctca
60gcctcccagc cagctgggag tacagacccc tgccccata cccggctaatt tttttagca
120aattactcat ttgtctgtct actttttatt ataaagattg tggcaactct gcttaggact
180ctgattttt ctgccaatt aaggtaaaaa aagaaaaaaa aaagcaacca ccaccataat
240attaccagg aaacragctg tgttctgtaa aaggccggcc tatcagattc aagttgcaag
300ccttatacac agtaagtgtc tcatgcacat atccatgagg attcacataa gctgccatcg
360gcccacataa ggataaacta aaacaaagaa tcaacatggt

400

<210> 2078<211> 391<212> DNA<213> Homo sapien

ggcacgaggg agcgtgggtg ggacacgggt tctggtgtan acggggagcg tgggtgggac
60acgggtgtctg gtgtagacgg ggagcgtggg tgggacacgg tgtctggtgt agacgggag
120cgtgggtggg acacgggtgtc tgggttagac ggggagcgtg ggtgggacgg tgtctggtgt
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240gggtgtctgt gttagacggag agcgtgggtg ggacgggtgtc tgggtgtatac tgggagcgtg
300gggtgggacac ggtgtctggt gtanaccggg agcgtgggtg ggacacgggt tctggtgtat
360aatggaatgg gagtgtgtgt ttgtgacatg g

391

<210> 2079<211> 398<212> DNA<213> Homo sapien

ggcacgagcg gtcgcggagc tgcggccagt tttgggaggg ccggcccccg gatgctacac
60acaacccagc tgtgcctatg cggacatcac gctcgcctc aagtttctgt ttgagcgtgt
120ggagggcac tccagggcta ccatcattga tcttgatgcc catcagggca atgggcatga
180gcgagacttc atggacgaca agcgtgtgta catcatggat gtctacaacc gccacatcta
240cccaggggac cgctttgcc aagcggccat caggcgggag gtggagctgg agtggggcac
300agaggatgat gagtacctgg ataagggtga gaggaacatc aagaaatccc tccaggagca
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398

<210> 2080<211> 397<212> DNA<213> Homo sapien

ggcacgagga caggaggaag aaacaagtat aaaggttttg gttttggaaa gaagttggaa
60tctccagacc ctgggacctt aagatccaca gaattgctga aagaaaaagt actaccttat
120tgaaaggatg aagaaacacg aaaagattat gattacatgc tggatcatcc agaagagtag
180tacagccatt actaccacta ctatagcagg cgcttggccc ctaaggtgga tgtagagta

240gtgatttttg tcagcgtgtg tgctatttcg gtgtttcagt ttttcagctg gtggaatagc
300tacaataagg caatcagcta cctagccaca gtgcccaagt accgtatcca agctacagag
360attgccaaagc agcaggggact gctcaaaaaa gccaaag

397

<210> 2081<211> 403<212> DNA<213> Homo sapien

tcaattccgt tgctgtcggc ggcgggccaca gttggggccg gtggctccgg aacgagatcg
60ggaagggaac agtccactaa cctgcccgat agctatcatc tggcccggag gagaacctg
120caagggggtg cgagctcctt gctgacacag gcagggtttg agagtggcg aaaagcatac
180gtggaacgc tgacagagat gctgcagagc tacatttcag aaattgggag aagtgccaaag
240tcttactgtg agcacacagc caggaccag cccacactgt ccgatatcgt gggcacactt
300gttgagatgg gtttcaatgt ggacactctc cctgcttatg caaaacgggtc tcagaggatg
360gacatcactg ctctccggg gaccaatcag ccagtgaccc ccc

403

<210> 2082<211> 394<212> DNA<213> Homo sapien

ggcacgagcc caaagtcaaa caaactgact tacagaagct ggcacagagg gaggaagccc
60tccaaaaaat acggcagaag aatacaatga gacgagaagt aacgggtggag ctaagtagcc
120aaggattctg gaaaactggc atccgttctg atgtctgtca gcatgcaatg atgtacctg
180ttctgaccca tcatatccgc taccaccaat gcctaattgca tttggacaag ttgataggat
240atactttcca agatcgttgt ctgttgacgc tggccatgac tcatccaagt catcatttaa
300attttggaat gaatcctgat catgccagga attcattatc taactgtgga attcggcagc
360ccaaatacgg agacagaaaa gttcatcaca tgcc

394

<210> 2083<211> 385<212> DNA<213> Homo sapien

cgttgctgtc ggggaattca ttcaagactt tcataaactc accgcagctg acgataaaac
60tgctcaggta gaagattttc tgcagtttct ttatgggtga atggcccagg atgtcatatg
120gcaaaacgcg agtgaagaac agcttcaaga tgcacagctg gccattgagc gaagcgtgat
180gaaccggatt ttcaagctcg cttctaccc taatcaagat ggggacatac ttcgcgacca
240ggttcttcat gaacatatcc agagattgtc taaagtagtg actgcaaatc acagagctct
300tcagatacca gaggtttatc ttcgagaagc accatggcca tctgcacaat cagaaatcag
360gacaataagt gcttataaaa cccc

385

<210> 2084<211> 386<212> DNA<213> Homo sapien

cgttgctgcc tgaatgtatt cgagcactat ttgggggatg acacgactag ggagcatcca
60cctgtgtgcg acagctgtga taactatgac gctagagcct catgcagatc caataacacc
120gccagtaaac agacgaaaca tgccactgac ctggatttaa ctgaacaggg attagggcct
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240tgtaacctgg tcacaagcaa tgccactctc agtccaagt tagtccctggc ctcatacaat
300catgatggca ccaggaatat cttagatgat tttagagaag cttacttttg gctaaggcaa
360aatacagatg aacatgcacg agtaatgn

388

<210> 2085<211> 403<212> DNA<213> Homo sapien

aattcggcac gaggtagcat ggagggggag aggacgtagg ctgtgctctc gggctttgtg
60ctcggcgcac tcgctttcca gcacctcaac acggactcgg acacggaagg tttcttctt
120ggggaagtaa aaggtgaagc caagaacagc attactgatt cccaaatgga tgatgttgaa
180gctgtttata caattgacat tcagaaatat attccatgct atcagctttt tagaatgtgg
240taggttggtg caaattccgt cgtcattcag atcagatcat gacgtttaga gagaggctgc
300ttcacaaaaa cttgcaggag catttttcaa accaagacct tgtttttctg ctattaacac
360cgagtataat aacagaaagc tgctctactc atcgactgga aca

403

<210> 2086<211> 390<212> DNA<213> Homo sapien

cgttgctgtc gctcctttgt ggcccctctg caagagaagg tggcttttg attatttttc
60ttaggagcca ttctctgcct ttctttttca tggctcttcc acacagtcta ctgccactca
120gagggggtct ctcggctctt ctctaaactg gattactctg gtattgctct tctgattatg
180ggaagttttg ttctctggct ttattattct ttctactgta atccacaacc ttgcttcatc
240tacttgattg tcatctgtgt gctgggcatt gcagccatta tagtctccca gtgggacatg
300tttgccaccc ctcatgtatc gggagtaaga gcaggagtgt ttttgggcct aggcctgagt

360ggaatcattc ctaccttgca ctatgtcatc

390

<210> 2087<211> 383<212> DNA<213> Homo sapien

cgttgctgtc ggctggatg agctgtgtta cctgccaaat ctccaccaac aaataaaatc
60ggaagtaaat ccagcaatgc cagttggcct ccagaattcc aaccaggagt gccatggaaa
120gggtatccaaa acattgaccc tgaatctgac ccctatgtca ccccaggaag tgtgctgggg
180gggtacagcca catctcccat tgtagatact gaccaccaac tgctgcggga taacaccaca
240gggtctaatt ctccctcaa cactcgtg ccttcacctg gtgcctggcc ctacagtgc
300tctgacaact cctttaccaa cgttcatagc acttcagcaa agttccctga ttacaaatca
360acatgggtccc cagatcccat agg

383

<210> 2088<211> 402<212> DNA<213> Homo sapien

ggcacgagca gacatggcgg tgttggcggg gaacagcggg gagacgtgct acagcaagta
60cgggggccatg gccctcaaga gccgggcctg ccacgagatg gccctgagaa tcgtcctgca
120cagcctggac ctccgcgcca actgctacca gcgcttcgtg gtgccgtgc tcagcatcag
180cgctgacttc tacgtgcgtg tttttgtccg tgtcttcacc ggccaggcca aggtcaaggc
240ctcagccagg gccaaagttct ctgcagcctg tgggtcccct gtgacccccg agtgtgaaca
300ctgtgggcaa cgacaccagc ttggtggccc catgtgggca gagcccatcc atgacctgga
360ttttgtgggc cgtgtcctgg aggtctgtgag cgctaaccct gg

402

<210> 2089<211> 381<212> DNA<213> Homo sapien

ggcacgagtg cagcctgtg atcccagcta cttgagaggc tgaggcagga gaatcacttg
60aactcgggag gtggaagttg cagtgcgtg agatcgtgcc actgcacgat ccgcctgagc
120gacagaatga gattccatct caaaaaaaaa agtacttaat acctacttta aagattgtca
180tggaatatata aagtatgtgg cccttactaa tgctagataa tgctttgctt tcttttattt
240gcatcttacc ctcttcctg agtattgata ctgtcttaaa catagtaggg tttgattaga
300tatttgctgg ttgccccttc acctgcaggg gatacatata aatgttggtt ggtattggat
360aatgaatatg atgtttctaa a

381

<210> 2090<211> 367<212> DNA<213> Homo sapien

ggcacgagga gctttgtcaa aatacctggc ctctagtctt gagattttat tattgttcat
60tagaccagtg ctagggcctg aatgtttgtt gtttatcttt tttttttta acctttattt
120taagggttaag ggaacccag aagggttgg ccataggaa acctggggcc acaggaattg
180gtggaccatt taattcctcc ccccgggggg aagccccagc cctaaaaagg aatttttgg
240gcccctttcc tttcccccc cttcccctt aaaaaaac ccaggggcaa tggttccttt
300tttggggcca aaaagtctta acatttcct cccctaataa agggaaacca gcgcggagtg
360aattttg

367

<210> 2091<211> 363<212> DNA<213> Homo sapien

ggcacgagat agggtagtct tgactagata taaccaaggg ataaaagagg attagctgac
60tcaggataac atttcaggtt tgtgaagatg aatttgcct ttgaaacaga tctttttaga
120aagggtggtt cataatttct gaccgaagta tttgttacac gtaaaataag taagaacgga
180ctgaggccag aaagctgtgg atgacagaag ggattgggtg attctcagt aattttgata
240caaattaagt atgtgggtag ttttaataa catttactat atatatatat taatgaaaaa
300ttgtttccta aactgtgaaa aggttatta aagaaattta gaggctggat gcggtgactc
360atg

363

<210> 2092<211> 380<212> DNA<213> Homo sapien

ctttgatcct tctggaatta attttggtgc attgactgag gtaggggctc acgtttcctt
60cccgatgtca gccactactt ttggtctttt aatctataaa agcagggcac tgggttagaa
120tttccataat ctcttatata tcaaacaaag cactcactgc aaacttgatc aatagaggaa
180agtatgcttt ttttgatatt taccttttac cagtttctact tactgtaaat cataagggtg
240tcttacatag tagaaaaata gcattatctt aaacctggct ttttattact aaatatatca
300ctaaaaatgc tttacaaagc agtaatgatt ttatttcttg gggaataaaa tcaagaaagc
360taaaaggagct gctatgccac

380

<210> 2093<211> 375<212> DNA<213> Homo sapien

ggcacgagac gaaaggaaac cttacagaaa catgaagccc tcaaccatct gctactcagt
60tattcggggc tgacggcggc ttctagaaca tccaggtgtt ctgcagatgc gagaactcat
120cctgtagtca ccagatggag tcccaaacag ccaagcagat gtaaggcctg tgctgtggct
180ctgaggccct gaatacagaa gggtcacttt cttagtggcc aaagagcagt tgttgacatt
240gatgtctaatt tattgaacac gaccagtcatt tttactgagc tgcggtgagg aaacactgac
300catagaagat caagccaaat gagggattgc aaatttctctg attcttttga attaggattc
360cagatggggg cctca

375

<210> 2094<211> 369<212> DNA<213> Homo sapien

ccgttgctgt cgggctgagg acttatctgg ggttctgaga ctccctgtcc cggaccgag
60cgtaaagg atctgaacaa agtctgtctca aatctcctgc tgtgaaccag cagaattttt
120gaacagggtt cttcacatat aaaaatctat tgtaaaaaata cggacagaa tggcagcgga
180aacgcagaca ctgaactttg ggctgaatg gctccgagct ctgtccagtg gtgggagtat
240tacatccccct cctctttctc cagcattgcc gaagtataaa ttagcagatt atcggtacgg
300cagagaagaa atggttagcac ttttccttaa agacaacaag ataccttcag accttctgga
360taaagaatt

369

<210> 2095<211> 377<212> DNA<213> Homo sapien

cggttgctgtc ggccacgaac acagccttgg gcccagggtg atgcgcgccg ctcttgagtc
60cctcagatgc caaacgcaaa aaaaagcctt ctctctctaaa gacacggaaa tgcaccgagt
120ccggctctgc ctacccccca aatccttccg gtcccccaac tcggcagcca aaatcgaaaa
180ctactctcgt ctacgcgcc cgcgtgttga ttacctgcca ttccgcacgg gcgcctgcgc
240ccccggcgcgt gtcgccgact taggacggca tcccagagact acccttctca aggccgtatg
300accagtcgga gctgccatga tagactctcc gaagccgggtc gtcacctgcc ggaccagccc
360tgcagcaccg tctctcn

377

<210> 2096<211> 372<212> DNA<213> Homo sapien

cggttgctgtc ggccacgaac acagccttgg gcccagggtg atgcgcgccg ctcttgagtc
60cctcagatgc caaacgcaaa aaaaagcctt ctctctctaaa gacacggaaa tgcaccgagt
120ccggctctgc ctacccccca aatccttccg gtcccccaac tcggcagcca aaatcgaaaa
180ctactctcgt ctacgcgcc cgcgtgttga ttacctgcca ttccgcacgg gcgcctgcgc
240ccccggcgcgt gtcgccgact tcggacggca tcccagagact acccttctca aggccgtatg
300accagtcgga gctgccatga tagactctcc gaagccgggtc gtcacctccc ggaccagccc
360tgcagcaccg cc

372

<210> 2097<211> 148<212> DNA<213> Homo sapien

ctangaaaga ccccttctctc ttgcagtggt tctccagcgc cctctactga caaagtatgc
60catcatgcaa gctgcaaagg aaacatttca agagtctata tctattttca cggagcgggc
120accaacagtg aatgtggagc tgagagag

148

<210> 2098<211> 379<212> DNA<213> Homo sapien

ggcacgagag aatgcctcca ggctggtcat tccatgtgac tagtgcaggg ttgcatggga
60gaggatagct gatgaacca gattgtgaaa ggctttgtgg ctctgtgctga ggattgtggg
120cttaactctg ggtattgtgg agctgttaaa acacatatta aggagtgcag tgatcagatt
180ttccttttta aagtgcattc tgtggagcag taattcttag ctatggagtc caccacaaac
240tttgtcatga taggttgtga ggtatattaa gtatatgtta ccaataataa aatatcaggg
300cttacacatt aattgatttt ttaataagtt aaagcaagtt gaggttatca ctgtgatttt
360cttcattcac ttacatcct

379

<210> 2099<211> 375<212> DNA<213> Homo sapien

ggcacgagat acattttata ttggaaggt tgtccaaggg cagggtgggag cagtatatga
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120gctgtccaga caagggtgtg gacacaattt cttatcagac caacaacctg caaagcagtc
180ctcagtcctc atttccctcc tgcttgtgac cagctatcaa aacctcaact ctggctaaat
240ccagcaatcc gcctagggtg ctgagcactg ctagagacaa atcatacaac tatgcaaatc

300agtgttacta tatgatcact aacctcgtat gaaccttcac tgtgcttgca acatcagctc
360ccattcctac_cactt

375

<210> 2100<211> 371<212> DNA<213> Homo sapien
cgattcgaat tccgctgctg ccgaaaactt ctggtatttt acccacgaag aacttcacgg
60gtccagtggg tttgccctta tggccgagtg tccatacaca ctccaaaatt catttatcag
120ccacaagatt agttcgtggt tcaacatctg tagcttcagc acatactgat ggaaaaataa
180agattctgtg tcataaatac cttattggag tgtttagcata tttgacagaa ctggcaattt
240ttcaaattga gtgaagcctt atgtggacta taagttatag attatatact cttattgata
300acttgccctaa ttgctatgct gaaagagact gcaggagaaa taggcatcta tctctgcac
360tggttttcccc a

371

<210> 2101<211> 373<212> DNA<213> Homo sapien
tccgttgctg tcggtttcct tgttggtatt tcttggtctc tgctgctact gtaaaaacga
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120tgtgcctcct ggatagccc cacaggttat tgaagacaat ggtgttcgaa gagttgtcgt
180gggtccctcag gcaccagagt ttacccttg tagtcacaca gttctccacc gttctccaca
240tcctcctcta cctggtttca ttctgtcccc aactatgatg ccgcctccac cagtcatat
300gtactcacc gtgactggag ctggagacat gacaacacag tatatgccac agtatcagtc
360ttcacaagtc tat

373

<210> 2102<211> 381<212> DNA<213> Homo sapien
cgttgtgtc gaactgcccc acatcatctg cagtaggacg ggggagttgg agccctggtc
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120ttaccgtatg cagtccccc ggatacaggg tcaaaggaga ccacaacat cgcagatgga
180agcccattgg gcagggccc ggacacagt agcatacaat agacattagc tgctgtggtg
240tcttgatttc aagcccagtg cagatgcac tgacttacga aacttcagt acacctgctc
300tgtgccagac actgaagatg gagcagtga cagcactgac ccagccatgc ctctgttg
360ctgcaggcca gaagcaaggt c

381

<210> 2103<211> 362<212> DNA<213> Homo sapien
ggaccaagac aaagttaagt aaactctgga gcagtgtatg tgatgagtgt gtggcagggg
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120aatgattcct gctgactcac cagtgtttc aactgttcac aggggtcagg caggaagcag
180atctcttgcc ctccctctga tccaggtcac ttagtccagc ccctgaaagc agtggatgga
240caaccatgcc accctcttcc ttccaatata cttattttg tatcctgccc tttttgtgta
300gcattagatc atgagcattt tctctgcta taaatgtccc ctcaaatatg ttgattcttg
360tg

362

<210> 2104<211> 375<212> DNA<213> Homo sapien
cgttgtgtc ggtcttgga gaaggaagcc tttcctttt ggcagaagtt tcaaattggt
60cttatttctt gtctcactaa ggcagtaata gcatagtgtt ggacctggtt gggtagtggg
120ggacagctga aaaggcagga gttttacttt tgttgaaaa gagaccacat cacatatagc
180atctcaccat tcacaaagtg tacatccacc gatactact cactgttaga gccttcgtcc
240tcctatggca gtagtataag aaaccttcca ccaagtcaga gtgctctaac tgatgccaaa
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360attatctcaa ggtag

375

<210> 2105<211> 367<212> DNA<213> Homo sapien
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60cctcgtgccc tatgaggaga ccacggaatt tgggttgag aaattccaca agcctcttgc
120aactttttcc tttgcaaacc acacgatcca gatccggcag gactggagac acctgggagt
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240ggagctcagg ggccgctctg ccgtggagct ggggtgctgg acggggctgg agggcataat
300ggctgccctg ctgggtgctc atgtgactat cacggatcga acagtagcat tagaatttct
360taaatcn

367

<210> 2106<211> 375<212> DNA<213> Homo sapien

acgggacgag ggctcttgcg ggtcccatgt tgcctgccct ccgaggagcc tcgccaggca
60gcagctgccg cctcatcagg cgagaccccc caccagggtg ggcaaaccga ggtgccata
120ttcggagaca cctccaaatt ggccatgtcc acagacccca gccaaagcca ggtgccagta
180gggctggacc agtctgaagg ggcctccctt cctgctgctg ccagccctga aagggccccc
240atctgcagcc atggcatgga ccccaaccga ctgggctgcc ccgattgtgc ctgcaagacc
300caggggccca gcacggggct ggactgacca cagcagggga cctgagccgt gttccccagt
360ctccatattgc agctn

375

<210> 2107<211> 370<212> DNA<213> Homo sapien

cagggtgtc ggaacactgg agttttgctt agctacctac tcctcgccaa acatgaactg
60ccctctggca tagagtgggtg taatgcgaaa ggaagagaca ttgtcagcct ggctcgagga
120tggccgcgtt ctgggggaga gagttacctt tggcctaaat ctccctctgt gtctcttgaa
180gaacttacgg tatcttgctt atactagtgg atgttccttg agctgtgtgg tatgtttcct
240aattgtgggt atttacaaga aatttcaaat tccctgcatt gttccagagc taaattcaac
300aataagtgt aattcaacaa atgctgacac gtgtacgcca aaatatgtta cttcaattc
360aaagaccgtg

370

<210> 2108<211> 381<212> DNA<213> Homo sapien

cgttgctgtc ggcaggatga tgggcaggac agggagaggc tgacctactt ccagaacctg
60cctgagtctc tgacttccct cctggggctg atgaccacgg ccaacaaccc cgatgtgatg
120attcctgctg attccaagaa ccgggcctat gccatcttct tcatagcctt cactgtgata
180ggaagcctgt ttctgatgaa cctgctgaca gccatcatct acagtcagtt ccggggctac
240ctgatgcacc cgccgaggcc cgagtaccag actccgtttc tgcagagcgc ccagttcctc
300ttcggccact actactttga ctacctgggg aaccttatcg acctggcaaa cctggtgccc
360atttgcgtga tctctccacc g

381

<210> 2109<211> 377<212> DNA<213> Homo sapien

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60agagattcac taagaacaac ttctttgttg agaagaatcc aactattgtc aatttcctca
120ttacaaatgc ggatctgaga gaatacttgt ctgaagaagt acaagcagta cacaagaata
180ccacctatga cctcattgcc aacatcgtgc atgacggcga gccctccgag ggctcctacc
240ggatccacgt gcttcatcat gggacaggca aatggtatga attacaagac ctccaggtga
300ctgacatcct tccccagatg atcacactgt cagaggctta cattcagatt tggaagaggc
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377

<210> 2110<211> 143<212> DNA<213> Homo sapien

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60tttcccctac acacagtgtg agccggaatg ggaatcgctg aggctctgat ccacttctaa
120gaacagaagg aaagtgaagg cag

143

<210> 2111<211> 354<212> DNA<213> Homo sapien

tttcttgtgc tagaagacaa ccgaattgtt ttggctaaga aacactaatc tagctgaatt
60cccacacact caaaaatatt ttctacaaa ccccaaatca attgatgtct ccattctaca
120tggctgtctc caatgtcagg aaactcacta tattccaaaa ttccatttgt tgtcgaagag
180aatcattata gagagacccc ttcatgtgac ctgcgacctg cgatatttaa ttcatttaa
240aagacagaca cacagggaaa tatatagctg agagatgctt tcattaatag agaattcctgg
300gaacccttga gtaatcacat tttagcaaac tctagtgaat agaccatttc cctt

354

<210> 2112<211> 332<212> DNA<213> Homo sapien

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60ctggattgag tctgggatgg ggatgagaca tcagtgttaa atggtcttat agggagtagg
120aaagaggcta aaacctcaag agatagagga aattcaagta caggattaag ttgaacaaaa
180gtgataacca accccacaag gtgattttta ttctgtaacc tcagtgggga aatcttcggt
240gcagggcagt ggctctcatt tggggtgatt ttgtctccc aagggaacatt tggcaagtc

300tagaaatatt tttggttgtc acaactcggg gg

332

<210> 2113<211> 337<212> DNA<213> Homo sapien
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60aaactttggg atttccttgg ttaaaactcaa agtgactgtg tgacagaagg ggtggattag
120ctatattctt tgctgtattt ttataactaa agctacaatg attagggaag ttgcaatgtc
180aaatcaatat tctctcattt gtctaccaga aagcagctct actagaaatg cacatacata
240agatttttga tttggttcca gttgacactt gatgtgtcaa gtaccaggca gtaaaatgca
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337

<210> 2114<211> 337<212> DNA<213> Homo sapien
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60taagggtttt taaaaattat tatatctaca ttatgagaag aaggccttta ttgtccttgg
120aggtatgcat ttccagaccc cttacttaag agtctctgga atgtggttct gcttgacaga
180gttctgtatt agcacttggg taccagaggc agcaccacaa tcaagctgcc aggccagaga
240atgtttcctt tccaaactca gctgccctct tgcacttaat ctaattgggt agtgatagaa
300aagtacagtt gttactaaaa cactcttttg cctggag

337

<210> 2115<211> 222<212> DNA<213> Homo sapien
ctgaaagttt tgaatttgat taaagttatt catgtcttgt taatctctgc aacatttcta
60gttgcgttt tctccttttg tctttgaaga attttgcccg atttttttcc tagtagtttt
120caaagaacca gctttagct tgagtgtatc tgggtgtttc tagtcatca tcggattttc
180tgctcttccc cgtccagctg cttaaagtaa tttttaagct ca

222

<210> 2116<211> 462<212> DNA<213> Homo sapien
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60ggtctgagcg tttggaagaa agttggcact gagtgggaa gtcgagttta gttttgtag
120tttttgatgt gtttaagttg agatgctgat tcttcagaga agtctaagct ggagaactat
180atagagagtg gaaagataac aatagacatt gaaagccatg atacaggata aggtcatttg
240gagagaggat agactgcatt ccaacatgag attggttgac aaagagaaac caaccaaggt
300aattaagagg tgcctccact gcacttgtag tcagaaggct gaggttaagat tgttagaggc
360cagcctgggc accacaggga gaccccatct ctaaaattta gccagggaacc atggctcatg
420cctgtagccc caggaatttg ggaggctgag tggggaaggat cg

462

<210> 2117<211> 454<212> DNA<213> Homo sapien
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120tgccctgagcc cgtgcctgtc ttcagatctt cacagcacag ttcctgggaa ggtggagcca
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240gggctcctca agtcccaggt ccagcttggg gtggttcagc tactcgagag acatctgctg
300ctaattggat agcagtcaac ctggacgcag gaaatcattt tttatttggg gcaaagaggc
360agaggaatgg agctcagagc ttttagagaa tatgggccag aaacaggaag gagtcacgac
420ctgataacgg gaaccagcgg acagtgaacg cagt

454

<210> 2118<211> 442<212> DNA<213> Homo sapien
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60ggttggaaact tgtgggaaca ttccaacttg ctaagcaggg tccactggga gggaagctct
120atctgggaac tcacccccag cgcacacaca tctccccag ggtcccaagg ccccgagct
180tctctccccg accaaacccc aagacctgga tcccaggaga caacagtctc cacagtgaga
240gcaacattaa gggcaaagcc atggagaaat gtgggagagg cggcctcaa atctttccat
300ttaacaaacc ccagtgtatg gtatggacag catgcagggc ttttgggnc gcttccccg
360ctctccatc accctcagcc ttcacacttc aaagttcaag ttcaaagctg ttcaagttt
420ctaccagcaa agagccctaa ct

442

<210> 2119<211> 436<212> DNA<213> Homo sapien
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60ggttggaact tgtgggaaca ttccaacttg ctaagcaggg tccactggga gggaagctct
 120atctgggaac tcacccccag cgcacacaca tctccccag ggtcccaagg ccccgagct
 180tcctcccccg accaaacccc aagacctgga tcccaggaga caacagtctc cacagtgaga
 240gcaacattaa gggcaaaagg atggagaaat gtgggagagg ccggcctcaa atctttccat
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 360ctctccatc accctcagcc tccacacttc aaagttcaag ttcaaagctg ttcaagtttc
 420ctaccagcaa agagcc

436

<210> 2120<211> 434<212> DNA<213> Homo sapien
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 60ggggtttcag tctgtgttct tggagccaaa gggttcctca aggggtgcctc aagagtaatg
 120gtttaagaaa agagggggcaa tgagagggag cgagggggaa ggcctagtgt gtatttgagc
 180agggggcctta agctccatat cccaccccc tttacccaaa acagcccatt tttcttatgt
 240atattggaat ttcaagtaag ctttcatggg gtgcagtggg gcggggagga atggatggga
 300taaaaaaagt ggagattttg ctgctttaaa aaagttgaga actacttgtg taggttttaa
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434

<210> 2121<211> 434<212> DNA<213> Homo sapien
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 60cgagtgggaa gagcacctag cccggaatcc ccctacagac tagtggcagt ggggacgtg
 120gtgatatgag gaggcagagg cagcaccag gagaaacagg gcagtggacc aatggacagc
 180tccaccagct ccacatcttt ggaagctaga tttggggaga gagaagctct accccagact
 240taatacccat tgaaatttca cctcaggtgt tgtgtcctgt gtctggttaa gtgtcccatg
 300gaaggggaaa gccttcacgt cagaacccaa ccctatacct tttacttctt anatggtgct
 360aaccacaggt gtcccagggt gctctgtgcc agttaagatt ttaactttc aaggggcagg
 420gcatactggg aaat

434

<210> 2122<211> 431<212> DNA<213> Homo sapien
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 60ggctcctgag acagcaggga tgggtgcttc tctatctcac ctaagctact ggctacagcc
 120actgccaacg ggcatgggct gaaaggggaa gacgagagcg ctggccttga caggagggggc
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 240cccaggagtg gagcgccca tctctgcgat tctcaggaaa cgaactgttc caccgctggc
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 420gccctttctg g

431

<210> 2123<211> 423<212> DNA<213> Homo sapien
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 60aaaaaaaaaa aaaaagggga aaatttctact ttaaaaactt ttgttaacag caggggaccc
 120ttgttatttt caggtccccc accccccaaa aaaggggggg gtttgcctcc tttaaagggg
 180tggaagccc taattttttt taaaaaaca gtgccacac tttcccaaac ccaaaagggg
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 300aaaaaaaaattt aaaatgtatt aaaaagtga ccccgccccc tttgaaacct aaaaaaagt
 360tttaatgggtg actttttacc aaagcggggg gcctaaaacc taataaccca ccgctttgga
 420agn

423

<210> 2124<211> 170<212> DNA<213> Homo sapien
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 60cgacaggctg tggccggaca gctgtgccc agcacatgga gcctgcacgc gcacagttg
 120gccaaagaag ccccatatc cccggtgaaa aagatggagt cttgctctgt
 170

<210> 2125<211> 424<212> DNA<213> Homo sapien
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 60acctgagcca cctcttctt ccttctatt cccactaagg aggtgtccct gcttccttca

120tagtgggtcc tccccctgca ccgggaaaca ggccctagag atgactccat ggggtgaagg
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424

<210> 2126<211> 424<212> DNA<213> Homo sapien

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120tgagaaactt acaagtattt tctgtgagtt ctgcttccac tattatttac ttacaaatgg
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300cactgagcac ttacatagat taacagttac aagtttccat aaatcagtta gaatatgact
360agcttcaggg aaggaatttt caacaactgc aatctttgat tgttttactg tgggaacttg
420cagg

424

<210> 2127<211> 423<212> DNA<213> Homo sapien

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60atgtacaaaa aggaccttga actcttaaat tggaccagca aactgctgca gcgcaactct
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420ggc

423

<210> 2128<211> 426<212> DNA<213> Homo sapien

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60acctggcaac attgaatcca ccacccttgg gctccctctg gaagccccag caccgggggg
120cttttgggca cagggtcagt ggtagccatc ttagacactg acatttggct ttgtcgtcaa
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300gctgtttctg ctgccagctg gctgatctaa gctcctgagg aatgtctcct ctcaaaggaa
360tttttccctc caaaggcccc ctgaagtctt agttggcatt ggctggcac atgctttatg
420ttaggc

426

<210> 2129<211> 424<212> DNA<213> Homo sapien

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300tggtgataca gctctgtgtg attcaagtcc tggcagagct tgtaaggcta gagcccaggt
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420gcn

424

<210> 2130<211> 428<212> DNA<213> Homo sapien

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428

<210> 2131<211> 424<212> DNA<213> Homo sapien
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240aaaaaatg ctagagaaag aagttttgga ggtggccgat ggaaggctga ggaattttcg
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420tttt

424

<210> 2132<211> 427<212> DNA<213> Homo sapien
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420tactgag

427

<210> 2133<211> 427<212> DNA<213> Homo sapien
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300attagaaaaa tagctgcctc tgaatatgag ctgacttrtc ttcgctctca gattgcagca
360attgtggaaa tgcaggaact gaaaaatagt acaaattcta gttcctttgg cttgagtgc
420gagcgt

427

<210> 2134<211> 427<212> DNA<213> Homo sapien
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180ccaaacctca agtatacaat taaatgtgtc gctcttgcaa tatattatca catcaaaaa
240agggaccagc atggaaggat gctcttagat atttttgatg aaaatcttca cctctttcg
300aaatccgaag tgccaccaga ttatgacaaa cacaaccagc agcagaagca gatttaccgg
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420gtgtacc

427

<210> 2135<211> 429<212> DNA<213> Homo sapien
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120ggccagcaca gcaacaagtt catgctggct ctggccagca accaaccaga gcagttcgac
180tggggccatca atgaccgat caatgagatg gtccacttcg acctgccagg gcaggaggaa
240cgggagcgcc tgggtgagaat gtattttgac aagtatgttc ttaagccggc cacagaagga
300aagcagcgcc tgaagctggc ccagtttgac tacgggagga agtgctcgga ggtcgtctg
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429

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120ggaaaaatgga aaagccattg tataaatttt tttttgaggg ggagtcttgc tctattggcc
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240gattctgctg cctcagcctc ccgagtagct gggattgcag gtacccatca gcccattgcc
 300agctaatttt gtatttttag tagagatggg gtttcacat gttggccagg ctgggcttga
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417

<210> 2137<211> 417<212> DNA<213> Homo sapien

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 120aaaaaagggc atcgggattt tttatacaa ccttaaacca ctttttttag ctttaggcgc
 180ctgcggtggc ccttgatct gttctcaatc ctcagggggg gtggcagcat gggaccatag
 240agagctgggc aaagtact tctctttgc tgacagtctc acctttctc actgggaagc
 300tgcacaggag cctttgggct ggttcagccc agaggccct ggcttctgc cttcctggaa
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417

<210> 2138<211> 419<212> DNA<213> Homo sapien

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 120ttttgcttta tccccaccc cgtggttct ttttttttg gggggggaaa aaaaacttct
 180tttaataaga taacaaactt ttttttttt ttaaaaagat ccccgccag ggtagggggg
 240gggggttttc aaaaaaaaa aaaaaaaccc cccccctaa aaaaacttt tcttccccg
 300caaaaaaaaa aaaaaaaaa aacctcctt ttttgaaaa cggggggggg ggggggggaa
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419

<210> 2139<211> 417<212> DNA<213> Homo sapien

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 120cctgtagtca ccagatggag tcccaaacag ccaagcagat gtaaggcctg tgctgtggct
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 240gatgtctaatt tattgaacac gaccagtcat ttactgagc tgcggtagg aacactgac
 300catagaagat caagccaaat gagggattgg caatttctg attcttttg attaggttc
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417

<210> 2140<211> 418<212> DNA<213> Homo sapien

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 120tccagcccc atcatcagtt caaggacaca acctgactga agatgcctga catcctgaga
 180gttgccagaa cacaggaggc tattctgaag gagatgcacc atcacagcca cagaaggcac
 240tagaggagggt gtcaatgtca gatccactgg caagccacca aagaccgtca ctcccaggat
 300cctcacagga gcacatggcg cagtgcgaag tgagacgcca gacctatgt ccaaacagag
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418

<210> 2141<211> 421<212> DNA<213> Homo sapien

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 180gcccaccccg gcccctttcc caaaagaatt tgggggttc aagggaacaa cttctggaaa
 240aattgaccag gaaaaaccgg ataaccccaa ccagttttt taaaccgggt tttggaacct
 300aaaatttga aaagggaacc ccaggcccat aaacaaaaa cggggccttt aaaaaggaca
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420t

421

<210> 2142<211> 422<212> DNA<213> Homo sapien

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 120gggactcttc agcatcagt gataatagag aacttgaaca gcatattcag acttctgac
 180cagaaaaatt tcagtctgaa gaacgatcag actcagatgt gaataatgac aggagtacaa
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300acaatgctca gatccctttg gctaattggac ttgactctca cagtatcaca agtagtagaa
360gaacgaacgc aaatgaaggg aaaaaagaaa catgggatac agcagaagaa gactctggaa
420cg

422

<210> 2143<211> 417<212> DNA<213> Homo sapien

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120gacccaagag tgcaggtcat gttgtatatg gctctgtctg ttcccatagc ctggaggat
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240agctcatggc tgagtggctc ccagcagtg aggaagcaga aatcattagg acccttgcaa
300aggaaaaacc ttctaaagag aaggctgtgc ggtgagcagc agccatgggc ccaagcctcg
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417

<210> 2144<211> 417<212> DNA<213> Homo sapien

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240tgaacttttc aaagaggcaa gggaacatgg ggctgtccct ctgaatgaag ccacaagagc
300ttcaggtgat gataaatcta agtcatttac aggtggagga tacagattgg gtagttcttt
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417

<210> 2145<211> 419<212> DNA<213> Homo sapien

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300tggtccatg agagtggagg gcattgtcca cccaaccaca gccgaaattg acctcaaaga
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419

<210> 2146<211> 418<212> DNA<213> Homo sapien

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120aatatagggc tcaccacact cattggatct cctttcctcc gggcatatat gcattgggtt
180ttcatggata taagactcta tcacaagggt aaactgatgg taaatccatt tgcttatgaa
240gaatatagga aagataaaat acgacagaaa atagaagaaa cacgtgcaca gagagtccag
300ctaagaaaaa tgccaaaagt taacaaagag ctggcactta aattaatcga tggagaagag
360gagaagcaga aatctacatg gcaaaagaga gtaacaacc ttcctaacat tctcaccg

418

<210> 2147<211> 422<212> DNA<213> Homo sapien

ggcagcgagga gacaaattaa ggatgaaact cttcaggctg cagtttagaga aattttggcc
60ctaattggct atgtggatcc agtgaaagg agaggaatcc gaattctctc aattgatggt
120ggaggaacaa gggcggtggt tgctctccag accctacgaa aattagttga acttactcag
180aagccagttc atcagctctt tgattacatt tgggtgttaa gcacaggtgc catattagct
240ttcatgttgg ggttgtttca tatgcccttg gatgaatgtg aggaacttta tcgaaaatta
300ggatcagatg tattttcaca aaatgtcatt gttggaacag taaaaatgag ttggagccat
360gcattntatg acagtcaaac atgggaaaac attcttaagg ataggatggg atctgcactg

420at

422

<210> 2148<211> 413<212> DNA<213> Homo sapien

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120acaggcatgt gccaccacac ccgctaatt tttgtatttt tagtagagac ggggtttcac
180catgttggcc aggtgtgtct caaattcttg atctcaagt atctgtccgc cccggcctcc
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300ggctgctggc tcccagcacg ggactcgggg gatatacagt ggctgcacca aattgtagg
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413

<210> 2149<211> 415<212> DNA<213> Homo sapien

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120atctcaaaaa aaaaaaaaaa gggatttcgg gggggggggg ctcttatggg ggcccaacct
180catggatacc cggtaaaatt ttaggaaaaa aacaaaggaa gaccccgccc ccaaaccct
240tttgccccc ctcttctttt aaaacccagt tttttcagtt gtggaaaaa gagctcccc
300tgagtcggtg gcaaaccgtt tattttttaa aagccccac cttttttta aaaaattctt
360ttggaaacgg ccaggagtaa aaccagggtt ggaaataaga aaagggtccc ctaa

415

<210> 2150<211> 411<212> DNA<213> Homo sapien

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120aatcctctga caagttgact ctctgacccc cacccccacc caagacattt taatagtaaa
180tagagagaga gagaagagtt aatgaacatg aggtagtgtt cactggcag gatgactttt
240caatagctca aatcaatttc agtgccttta tcacttgaat tattaactta atttgactct
300taatgtgtat atgttcttag attagaataa tgcaacttcg agtatgtttt aatatttcaa
360tattcaagtt acaaatgtat aaggcagtta gaaataatac agtcacatgt c

411

<210> 2151<211> 416<212> DNA<213> Homo sapien

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120tattttatat aactttttgt aactgacctt atcttggcct tgagtcccat cctctctggt
180ggtagcgtaa aactgaaaat tccagtttgg gtcaatattt agtgaaagtt ctactttctt
240ttcagagagt ttgttcccc ctcttcttct tagatgtttt caaacacaca gccccatcct
300actcaacca agtgaagcaa gaggggacaa ttctagaatt ggctgtgcca ttaggtttt
360ttttagaatt tgaactgatt tccttcattt tgatgaggtg gcaactgtcc ccattg

416

<210> 2152<211> 411<212> DNA<213> Homo sapien

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240aggcgtagc cactgcgccc agccttactt atttttaaat cagatttttt aatcaactaa
300aacagctatg agttaagtac ctgcccgtga aaaattttta gaagaagttc taggattatg
360aaattaagaa ttattttcct taactggaac agttctaana tttatctgat n

411

<210> 2153<211> 411<212> DNA<213> Homo sapien

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120aaccctattg agcaaatgtg ggcaacaaaa aaatcagct ttcaactggg gagagccacc
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240tctgaacaat gcaaggaaag aggccttgct ctgaacatag acagtaaagt ctaaacattt
300tatagcctta gataatgggt tctttgggaa agaccttaa ataggagttta ctggggaatg
360tttattaata atcacgtagt gctgagaagg aggatgtctt aaaaaccaga c

411

<210> 2154<211> 415<212> DNA<213> Homo sapien

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60ccagcactgc caagagaagg ccttttgtac tcagggttaa taagaacatc ctgcaaggag
120tctgttcttt tatgcagcct aaagatcaag taataatcat tgacactgat actgagcatg
180tcgatttttg agagactagc atttctggtt aatgaagtgg agtatatac catatatttc
240tgttttctgg atgagaagac taacctaaat aagtaggaac cttgaagaat catgttcttc
300ctaggaatta caaatcccc gaatccatgt ctaacataat ttctactggc ctctttgctt
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415

<210> 2155<211> 413<212> DNA<213> Homo sapien
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120aggggtgagaa gaagctgcag gaaggtgggt ggtatattgg aagaaatatt tttgcagtca
180ttaaaaaatg tagagcatat ctaatgatag agaaaatgtt tattccacag taataagaat
240ttgcatatac aggggtgatta taatcctgca aaataaaaaa tttattggga taataaaaga
300ctgacaggaa aattttttaa gtgttaacat tggttatgtt tgggttgggt aggctgggtg
360atttttagaa atttacaaca gagagaagtt gtggganaaa gtatacgta gtt

413

<210> 2156<211> 414<212> DNA<213> Homo sapien
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120ggcagcctgt ttttaaagaa atgggactaa tgggagaagc tgtttgtcac tctaagagca
180tccaagccct ggcccgtctg tgcactcttg gctcctgggg agatatactc gccttctaag
240aaggcaggcc aggtcttggg cacagacctg catttgttga ccttgcactc caactatagt
300gccttgcaag tgctcaacag tacatattgg aatgaagtcc ctatgagagc catttctggc
360catgttctat acctcaaagt gaggctggca ggtacagaga tgaactgtac acag

414

<210> 2157<211> 415<212> DNA<213> Homo sapien
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120tgggacactc tcttgttttg cattcaggaa ggagtgaata tgtttttaa gcaagaaaaa
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240ttattttagt ctactcttca gaagcgtgtg acttccgatg agaggagcaa tttccaggaa
300gcatgtaata atattttaga ttctatgag atgtttaatt tgcagtcata agctgtgaaa
360agaaaaacta ctgcagaaaa cgtaaacaca cagagttcta gggattcaga cgcta

415

<210> 2158<211> 413<212> DNA<213> Homo sapien
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120tgatgggact cctctcacia atgtattctt ccttctctcc tttcccgacc atcttttct
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240gaactgtgtt tgggttgggt tctttgattg aattattctc agaagggctg tgttgccagg
300ccctgtgggt tgatcatgtg accgcttttc tgacaaaatg tctgccgcca tctttatttg
360caggctaagt gaagtgttaa gaaatctggg ggggacttta agcctacttc ccn

413

<210> 2159<211> 416<212> DNA<213> Homo sapien
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60agtgtectct ggagccccc agcctcaccc gcctctgtgc cactctgaag gactgcccg
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240ccccgaaaag ccccttctct ctggccaaca ccttaagcct gtgtccacgg gttaaaaagg
300tggatctcag gtccctgcac catgcaactt tgcacttcag atccaacgag gaggaggaag
360gcgtgtgctg tgggttcaca ggctgcagcc tcagccagga gcacgtagag tcaactc

416

<210> 2160<211> 412<212> DNA<213> Homo sapien
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240tatcagtcac ggaacgggtt aacttgtttg gtttctggag ccgattcaac ggatctaaca
300gtaatgggga aagaaaagac ttacagctct ctggtttgaa cagcccagga tctgtcttag
360agaaaaagga gaaagaggaa gatttggaaa aggaggaagg agagaaaaca gc

412

<210> 2161<211> 412<212> DNA<213> Homo sapien

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120tccaagtcac atagccacta aaactcgact atcagaagaa agtgctcgtt tgggtggcagc
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240cctgcccaca attctgttct taattgcaag aatattgaaa gacacagcaa taaagtctgc
300agataatcag gttcctccac cagtcagtgc agctcttcaa gggattaaaa gtattgtgac
360actttcaatg gccaaaactg aggtggcgt tcaaaaacag tggacagctc tg

412

<210> 2162<211> 411<212> DNA<213> Homo sapien

ggcagcagaa cctgtcccag acctacatgg ccatgtacct cacctactcg ctccacctgc
60ccaagaagtt catcgcgacc attcccctgg tgatgtacct cagcggcttc ttgtcctcct
120tcctcatgaa gcccatcaac aagtgcattg ggaggaacat gacctacttc tcaggcctcc
180tggtgatcct ggcttttggc gcctgggtgg cgctggcgga gggactgggt gtggccgtgt
240acgcagcggc tgtgctgctg ggtgctggct gtgccaccat cctcgtcacc tcgctggcca
300tgacggccga cctcatcggc cccacacga acagcggagc gttcgtgtac ggctccatga
360gcttcttggg taaggtggcc aatgggctgg cagtcatggc catccagagc c

411

<210> 2163<211> 415<212> DNA<213> Homo sapien

ggcaacagcc tgggttttag ccacaaagcc tttagtttga accccaaagc cccagatttg
60agcctgaaag cccgggggtt gagtcccgaa gccctgggct tgtgccccca agcctgagtt
120ttgcacccag aagccctgaa tcagattctc agagccctga gtttgaatcc cagagcccta
180ggtatgaacc ccaaagccct ggctatgaac ctgggagccc cgggtatgaa ccccgagacc
240ctggctatga atctgagagc tctagatatg aatcccagaa cactgagctc aaaacccaaa
300gcccagaatt tgaagctcaa agtccaaat tccaggaagg tgcggagatg cttctgaacc
360ccgaggaaaa gagtcctttg aatatctccg taggagttca cccctggac tcctt

415

<210> 2164<211> 412<212> DNA<213> Homo sapien

cgcacgagaa aaagtgttac cacttcagca tcaggaagtg aaaatcttac tcttattcaa
60caggaagtgg atgcttttga agaattaagc aggcagcttt ttctggaaac agctgatcta
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180cttggttact ttttctctat ttaactgtgt tggaaaattt tcatggctac catcaatatt
240gtttttgatc gagttgggaa aacggatcct gtcacaagag gcattgagat cactgtgaat
300tatctgggaa tccaatttga tgtgaagttt tgggtccaac acatttcctt cattctgtt
360ggaataatca tcgtcacatc catcagagga ttgctgatca ctcttaccac gt

412

<210> 2165<211> 407<212> DNA<213> Homo sapien

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120gtgagaggaa cggatgaggga gaggttctga acttgtaggt caaaatgtga aattcgaaag
180aatacccaaa aaacctaaaga aaattttgtg aaggaaaata gatttattat taagcacatg
240aaaagatgcc caacatcagt agccatcagg gagatgcaa tcaaaaccac aatgagatac
300cacctcacac ctggggctgt cagaaaaaag gcagtaacaa gtattcgcaa ggatgtggag
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407

<210> 2166<211> 405<212> DNA<213> Homo sapien

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120aactgaaatt tgtcactttt ctgttacgca gagaatcaga ccttttgata atatttggga
180gggtaaaaga aatatgccaa atatgaaact ttttgtcag cactacatac atctttttt
240tgcggggggc gggggggaca gagtctcact gtgtcactca gactggagta cagtgtgagc
300atctcggtc actgcaacct ccgctcctg ggttcaagc attctctgc ttcagcctcc
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405

<210> 2167<211> 408<212> DNA<213> Homo sapien

ncttctaatt ccgcacgagg agagagagag agtttagatt tgagagagag agagagagag
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120agagagaggg ggtgtttgct cttgattgcc cccgcccctc cctctctttg ggattttttt
180ttttcttttt tttccgagct cttgactttt tttttctgt tgcgcgcccc tttatcgttt
240tctctttttt tactctttac cttttttttt ttttctgcgc gcacactttt tttttatccc
300ttttttttct ctccctccct ttttgggtgc cttctctttt ttatttatat atttgtgtgc
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408

<210> 2168<211> 408<212> DNA<213> Homo sapien

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120gaaggtgcag aaaagggcat caaaaagagg ctggattttt taaaaggcag ctttccaact
180ttgcacacaa acaggtaaca ggaaggtaca gcaaaaatcc tctcatctga aacactgtca
240gcagaaacaa aacctgtaaa atgactaat cagctgcaca tattgatgct ctctgcaagt
300tacctttaag tgtttttttt cttatacttg aagtgtcttt tacgatatta ttttgggtggc
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408

<210> 2169<211> 405<212> DNA<213> Homo sapien

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120aaagtgtc aacacaccag agggggcagg caccagccag ggtatgatgg ctactaccct
180tttctggaga accatagact tcccttacta cagggacttg catgtcctaa agcactggct
240gaaggaagcc aagaggatca ctgctgtctc tttttctag aggaaatgtt tgtctacgtg
300gtaagatatg acctagccct tttaggttaag cgaactggta tgttagtaac gtgtacaag
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405

<210> 2170<211> 408<212> DNA<213> Homo sapien

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120tggttaagaac gttctagagc cacaacatga ttgtaggcca agggcttgtt ttgtgacct
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240gtaataataa ggtagtttgc cttttctgca gacattttta ggagtcttt tgtgtgagtg
300gtggtggagt gtatagtttt gttgaaccta gctaaattct gaatatcttt ccactaaaag
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408

<210> 2171<211> 406<212> DNA<213> Homo sapien

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120aaacttgggt attcatggaa tttctagtaa atgaaatacc tatactttga tactgaagac
180tgccaaatac ataggaattt tctttcttaa aaaacagtaa tgaagactat atctccttc
240ccagcactga atgttttact agcactgggt gctcaccatg caactgaaga aaatgtggaa
300actcaaaagg tcaggacaga cttccaagca cttgcaactg atgttactgt cttcaatttt
360aataattaca catatttgta tatttcacag aagcttttaa tatttc

406

<210> 2172<211> 405<212> DNA<213> Homo sapien

ggcacgagct caggtctcct aactggccc cattttactt tggggtccaa ggacaggatg
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120gcatcacact aaggaagtga gtgccaaagg gatttagtgg tgtggttctt tcaaagggag
180gtcagggtca atgggaatct gtcgggacac tcaacatggg ggtgggtgca ctcttggag
240gaggaggaac acgttcaggg gattgtgagg tcttgacaaa gccacgtggg gcaccttggc
300ttcccgcgag gaggtggaca cccagccaga ggcttggtc aaggtgacct caccctcacc
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405

<210> 2173<211> 409<212> DNA<213> Homo sapien

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120gtgttgggccc aacccccgc tgaagggcgg ggaaaaaag gctttttttg gaaaattggg
180ggggctgtgg ctttttttga acccattgta aggggcataa agcagggttac caccacatg

240ggcattcttt tttggttaca gggtcggggg gggggggggg aagggttcaa nattgcctac
300gggagaaaaa aagaaaaacc tcagcttgca aatttttgtt cagagatggg atcgttcttt
360gtcgttgag ggatttacct taaaaaatt cagagatat tgctcatgg

409

<210> 2174<211> 410<212> DNA<213> Homo sapien

cgttgctgtc ggggtgtcca ggcccgttct gcagggtgt tgtgtagact gcagacatcc
60gtacctcacc acagaccaca gatgacctcg tgtcatactg tgggctgatg agaggtagag
120catcatgcat cgaggcctga ggggtgcagg cgccctctct tggcctggag gaattgctcc
180taactagagt aagtttacac gaggttccca ggcagagctg cagagctgga accggaggct
240ccacagtcc tgcctgtca tggacctcct tcagagcacc tttctacaga ctggactgcc
300cagctccgtg ggggtggcatc tggtttctgg tgctattctg ccaagttatc gagctcctcc
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410

<210> 2175<211> 408<212> DNA<213> Homo sapien

cgttgctgtc gggggctgcc cagcacctgt catcctgctg ggatcagggt ttcttagtgc
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120agaagaggag tgggcaccac tctcatccag agggccgtcc tgagaggcaa gtgaggctgt
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240gatgcccac tggacatgga gccgacacag gtatgcaggg ggccagcggg acgcttacca
300acagctgtct tttcccacc tcagaatagc attcctttcg aacaccacgg caagtagctg
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408

<210> 2176<211> 406<212> DNA<213> Homo sapien

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120tgtatgagtc atagtattca ataggtggtt gctgatgttg ctattatagc attaactttt
180cagagatgaa ggtagaggcc agacatctta tttcaaatac cattgtaact ttaaaaatcc
240cagtaaatgt tgctgttcg gtatacagtc aaaatctccc aaaacaaatc cacaaaacag
300aagtgtaggg tgggacacag gtgcatctgg tgtttcgtaa gtatgagctt agatatggag
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406

<210> 2177<211> 406<212> DNA<213> Homo sapien

ggcacgagct gggaagaaaa gcacaaagca acccgtaact taatgggtccc catcttaatt
60tgaaagcgtt tgagaatctt ttaggacaag cactgacgaa ggcactcgaa gactccagct
120tcttgaaaag aagtggcagg gacagtggct acggtgacat ctggtgtcct gaacgtggag
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240tggggtcgag gtcattgaca agctgtcct ctgatatac gttgagaggg gggcgtgaag
300gttttgaaag tgacacagat tcggaattta cattcaagat gcaggattat aataaagatg
360atatgtcgt tcaaggatt tcggctgttg agccaaagac tgcgtt

406

<210> 2178<211> 407<212> DNA<213> Homo sapien

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120gtgcgatccc acggcagtgg gcagtcctgt cccgcgagcc cggcccttag tctgagtgg
180gtgacctct aactgtggac gccatgtcct atcctcctgg tgggtggcgg cggggcgggg
240ggggcgggcca tgctgggcag cccacacaag cactgtcac ctgctgtcgc cacctggccg
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407

<210> 2179<211> 405<212> DNA<213> Homo sapien

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120tgacgcctaa tttgggtgt aggggaagct ctgctggccc ttgctccttt gtatgttggg
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240agttcctaaga cagttcgcac ttgaaaaa atgtgacaca tcaacattaa ctttcctga
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360taagatatag tggggggtttt tttgggtgga gggggggtttg tttng

405

<210> 2180<211> 409<212> DNA<213> Homo sapien

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60ggaaccaagg gtgaccaagg ctggcgccac catggctctg ctgccgtcac ctccctccct
120tagcattgag cagccccgga ggggctagcc ctgaggctga cctgcccata ggccccacca
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300cggaagccca gcaggtgcta cacaacaagc tcgaggtcat cctgggggac tccattcaga
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409

<210> 2181<211> 408<212> DNA<213> Homo sapien

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60gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga
120gagagaggtt tttttccccc cttgtgagag agcctctgtc tctctccccc cccccctct
180ctcttgggg gctcgcaactg tgtcaccccc cccccctct tttttttttt tcccccccc
240cacacacact atctctcccc acagagagtc gcgcgcgctc tctctagggc tctctctctt
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408

<210> 2182<211> 406<212> DNA<213> Homo sapien

ggcacgagac ggagctggct gccagccca aaggcccatg aggggatgca gttatgggct
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120agaaacggac aaagggaaaa actgttccaa tcgatgattc ctctgaaact ttagaacctg
180tgtgcagaca cattagaaaa ggattggaac aaggtaattt gaaaaaggct ttagtgaatg
240tggaatggaa tatctgcaa gactgtaaga ctgacaataa agcgaagat aaagctgaag
300aagaaacaga agaaaagcct tcagtttggc tgtgtcttaa atgtggccat cacggctgtg
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406

<210> 2183<211> 409<212> DNA<213> Homo sapien

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120ctcagggtgt gaccgagatt cccgacgaga gatactgagg ggaagagagg aaagaggggc
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300cccagaggga cgacggcgct tttgtgcagc aggtgacgca gaactccct gcggcccgca
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409

<210> 2184<211> 407<212> DNA<213> Homo sapien

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120tgttgtccgc gactggcctc ggtgctgcta tactccgatt atgggatagg agaagtgcc
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240tctccaaagc agccgggtcg tggctactac cgtggcgctg tcggtggcac gtttgaccgc
300ctgcacaacg ccacaaggt gatgatcagt gtcgcgtgca tcttgccca ggagcagctt
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407

<210> 2185<211> 408<212> DNA<213> Homo sapien

ggcacgaggc ctgttcgagc catggtgcat tgcagttgtg tggtgttcag aaagtatgga
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120cgtttaggtg gagaaggtgg aaaaggtgg gatgtctggg ttgtagccca caacagaatg
180actttaaaac aacttaaaga caggtatcct cgaaacgggt ttgtggctgg agtaggagca
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300gtgggtattt cagtaactga tgaaaatggg aaaattatag gagaactcag taaagaaaa
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408

<210> 2186<211> 406<212> DNA<213> Homo sapien

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120ttacttccca tcttgattcc ctgccgtcta agtaccatgt gacgtttttt ggagaaacag
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406

<210> 2187<211> 410<212> DNA<213> Homo sapien

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60tcctaccctg gctgcaccgg ctcatccgca ggaatcccct gctctggctt cttcagtttc
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410

<210> 2188<211> 405<212> DNA<213> Homo sapien

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60gacattataa aaaataagaa gctaattctg gactttgtac tgaagcagga catgccatta
120ctaggggctg agaagagaaa gaggacaacg gttagccaat atggtgatgt agatgatgag
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405

<210> 2189<211> 406<212> DNA<213> Homo sapien

cggtgctgtc ggcaacttgt acggatttgc ctttttacgt agacgggctt tacagttaga
60agagcttaca ttatgtaagg acacacctga taatgctcgg accctcaatg aactgggtgt
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406

<210> 2190<211> 399<212> DNA<213> Homo sapien

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399

<210> 2191<211> 404<212> DNA<213> Homo sapien

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120cttgccctg tctctcctaa tagaattggca tctctcaat acagtttttt ttttatggct
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404

<210> 2192<211> 403<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gagagagata gagagagaga gagagagaga gagagagaga

60gagagagaga gagagagaga gagagagaga gagagagtgt gtgtgtgtga gagagagaga
120gagagtgttct ctctctctgt ggtatatata tacacccact ctctcttctt tctctctaga
180cacacaaagc ggctctctcg cgggttttac ccacgctctc tccccccag aatatactgc
240gcgctttccc ctctctctga tatccgcgcg cgcgcgcacg tgggatatat tctctctctc
300tctctgcgcg cgcacacaca tatcccgctt ggttttctct ctctctctct cttcccgta
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403

<210> 2193<211> 404<212> DNA<213> Homo sapien

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404

<210> 2194<211> 401<212> DNA<213> Homo sapien

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120gcctgccact gtcaatatat tctgttcccc ttggttacia gcttaataata ctcttgtgtt
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401

<210> 2195<211> 398<212> DNA<213> Homo sapien

ggcagcaggg agtgcagtgt tgcaatctcc acctctgggg ctcaagcaat tgttgtgctt
60gagcctcccg aatagctggg actacaggca cagccacta cgccagcta gttttttgta
120tttttagtaga aacagggttt caccgtgttg ccaggggtgg tctcgaattc ctgaactcag
180gagatcctcc cgtctcagcc tcccaagggt ctgggattac aggcgtgagc cactgcgccc
240agcctattca taattcttta tagggcttat taccaaagaa cagaaggctt tttaaaagtc
300atctattggt tagtgattat taaaaataag tcttctgatg aggattacat gtatctaact
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398

<210> 2196<211> 404<212> DNA<213> Homo sapien

ggcagcaggg tgagtgcgct gcaactgacct tcttccaagc ctcaagtcct gttctaggaa
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404

<210> 2197<211> 399<212> DNA<213> Homo sapien

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399

<210> 2198<211> 399<212> DNA<213> Homo sapien

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180ccccccgtaa aaggacgcat acctcacgaa ccggggggggg gggggggccc ttttctcttt
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399
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402
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398
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404
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401

<210> 2205<211> 402<212> DNA<213> Homo sapien
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402

<210> 2206<211> 402<212> DNA<213> Homo sapien
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402

<210> 2207<211> 400<212> DNA<213> Homo sapien
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400

<210> 2208<211> 400<212> DNA<213> Homo sapien
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400

<210> 2209<211> 398<212> DNA<213> Homo sapien
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120gaacaatccc catggtgggg ggaaaagtaa ggtgcagaac tgtatcatag atgttctctc
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398

<210> 2210<211> 400<212> DNA<213> Homo sapien
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400

<210> 2211<211> 398<212> DNA<213> Homo sapien
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398

<210> 2212<211> 399<212> DNA<213> Homo sapien
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399

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398

<210> 2214<211> 404<212> DNA<213> Homo sapien
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404

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404

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120tttgaagggt caagatacta tataaaccat aatgaaagga aagtgcctg caaacatcca
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401

<210> 2217<211> 401<212> DNA<213> Homo sapien

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401

<210> 2218<211> 399<212> DNA<213> Homo sapien

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120tcacacattg actcagcaca ccaggtatgt cacaacttgt gcttttgcac ctaataacct
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399

<210> 2219<211> 401<212> DNA<213> Homo sapien

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401

<210> 2220<211> 404<212> DNA<213> Homo sapien

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404

<210> 2221<211> 404<212> DNA<213> Homo sapien

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404

<210> 2222<211> 397<212> DNA<213> Homo sapien

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60aggatgacaa atggaaagag aatgaggtc actggaggat tgttaaagag tacagcatgt
120ttgagtgtca cttgaaagg tccagtggag aagctgaaga agtaggtaaa ggtaaagaata
180accaagggac agaagtcctg gagcagggag gagggaaatg gattctttaa aacctcttca
240tcaagaaact agggaaaaaa accaaagctg taccatctca gatttcagag aaagggaatt
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360aggaaaaattc ctatgacagt taactctgaa caaaatt

397

<210> 2223<211> 396<212> DNA<213> Homo sapien

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396

<210> 2224<211> 395<212> DNA<213> Homo sapien

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120cccttttttt cttaaaaccc aaaattaaaa aaacccttgg gaagtttggc ccaccccccc
180ccaaaaggcc gggaaaaaaa ggcttttttt ggaaaatttg ggaggctttt ttttttttt
240aaccctttaa aaccgggaaa aaaaaagtta acaacaaaaa ttggtttttt ttttttttc
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395

<210> 2225<211> 392<212> DNA<213> Homo sapien

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300ttatttttaa ggagaattac atatttttct tcacatgtca ctgtagaag taaatcccaa
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392

<210> 2226<211> 397<212> DNA<213> Homo sapien

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120aaagtgtcga aacacaccag agggggcagg caccagccag ggtatgatgg ctactacct
180tttctggaga accatagact tcccttacta cagggacttg catgtcctaa agcactggct
240gaaggaagcc aagaggatca ctgctgctcc tttttcttag aggaaatgtt tgtctacgtg
300gtaagatatg acctatccct tttaggtaa cgaactggta tgttagtaac gggtagaaag
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397

<210> 2227<211> 392<212> DNA<213> Homo sapien

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120agttaaacaat ttgatgataa gctacagttt ttcttcaaaa gtaaatattt tatttatgag
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300tgactaaat aatgagaacc ttgggtggat tttgtttac ttccaaaaaa caaggttagg
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392

<210> 2228<211> 395<212> DNA<213> Homo sapien

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60cagccagag aacaattact atgtcagctg gaggtatat tatgattcta aattcttaaa
120ggtttttttt cctccataaa tcaaaaatta ctttatgtaa accaaaaatt agttggtatt
180tatggctcatg atcttaattc tcaagtttag cttaatcttg tatttcattg tttgtcttct
240aatatgacag cttaaattca gatttttaag tgactcagca aaataggagg agtgccccaa
300tttattagtg ttgtacatat tgaagaaaac cttttgttc cttcagattt agaaagaaac
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395

<210> 2229<211> 393<212> DNA<213> Homo sapien

ggcacgagat tatatggacc ccctaagtct tattttctag taaactgatg atactggaaa
60ttcttttact tgacatgcac aagaataagc tggaggcgat ttttcttt catcacagagt
120tcatgaattg ttttaaatgc ttcttaaggt ctggctttat aaccgttttaaatcaactat
180gatgatTTta gataaccaag taggtattat aatacaaaac aattttaagt gtaagaaact

240atagtataat caaagtaaat tcagttattg tatttgtggt gttgccttgc cttgcatgat
300gctgggggaa aaagagaaaa gaaatggttt tctttttgta ctttcattca gtgcacaggg
360aaaaaagcat gtattgtgcc accggaagac aag

393

<210> 2230<211> 159<212> DNA<213> Homo sapien
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60atgagcccat ttaagatatt tgcataact tgatagaaac cataaagggtg tagcagttaa
120gtccagccac atttgggttaa tcagtgtttg atataattg

159

<210> 2231<211> 394<212> DNA<213> Homo sapien
cgttgctgtc ggccatggtt gtgacaaact ctgaatacca gaggacacaa agggagagga
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120acccttgctt ttctcttgct ccaggctgcc cttttcttgg gcctgggggt gttgttctcc
180ttggtcagca ttcccttgggt catctatgac tgggcctgct catcgagtag tgacgaaggg
240cactgaaacc cgccgagaaa aagaacatc cctgttgtct gctcagacaa gtccccacac
300atcagcaatc tctcaccact tcttttgcaa gtttacagaa gcaaacagaa atgtacagga
360tacttaaaat ggaataactt tttggatgca aaac

394

<210> 2232<211> 395<212> DNA<213> Homo sapien
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120ttttctttta aggggaccca tctgtgataa aaatatagct tagtgctaaa atcagtgtaa
180cttatacatg gcctaaaatg tttctacaaa ttagagtttg tcaactattc catttgtaac
240taagagaaaa ataggctcag ttagaaaagg actccctggc caggcgagc gacttacgcc
300tgtaatctca gcactttggg aggccaaaggc aggcagatca cgaggtcagg agttcgagac
360catcctggcc aacatggtga aaccccgctc ctact

395

<210> 2233<211> 393<212> DNA<213> Homo sapien
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120atatggcaga tcggttttga ccaacaaaat ggggaggaac tgatccagat gtggaatgtg
180acagagaatc cttccact gccatggaaac atttataaaa ataatacat gttaatcaat
240gaagaaagg agccacacat ttaaaaaagc agaaatcgta caggccactt cctcagataa
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360gataaagtct tttggttttt ttgagacgga gtt

393

<210> 2234<211> 391<212> DNA<213> Homo sapien
gaaatctgtt ctttcacatt gcaaaacaga gtctgagagc aagaattcac attcgaaaac
60ttcaggtgaa aagaaccacg tggaaaaaga taaaatgaat acattggaca ttttgagaat
120ggagactaca gagagagaga atccagaagc tgaaactgta tctgtactcc tcaacacatg
180gaagatcaat cgcgtaaaga ttttgaagag gaagatggca tattacagcc tgagaaaaat
240gattcttttc aaaatatgca gccagatgag cccaagggtc ttagtgaatg tgtaagcgtt
300caagagaata ataaggcggg tgaacttaac caagtcccaa ttctaaggac tcgatttcag
360aaaccaaagc caaatatagg aagaggaact g

391

<210> 2235<211> 396<212> DNA<213> Homo sapien
ggcacgagag agagagagag agagagagag agagagagag agagagagag agagagagag
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180gaactgtgtt ctttttgca tatgtgtggc gctctatctc tttgtttacc ccctatatcc
240cccgccttac acgttttctg gcgcgcgtgt gcattttttt tgtgacgcag gcacgggggg
300gtgtgtgaca tttttaaccc ccncacgccc cccctcgcta cgatgttctt tctttctttt
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396

<210> 2236<211> 392<212> DNA<213> Homo sapien
ggcacgaggg ctgacgtgga ctgtccacag tgttcatgtg ctggagtcag ggacggccgc

60acctgcctcc gccggctcca gtgtgcgggg agcctctgcc tgagtgtgca ccaggcccat
120gtttattgac cacagtctga gcggggggga aggggactgc ggtggacacc agaggaaagt
180gtttcctgtt gtgatgttg accctgtagta ggacatggtg atttgttaat ttccatggga
240agccatgatg gcctagcatg gagggaatct gtcccaggc cctgcctgga agttgaggga
300aagtttagac atctgcagag aggcaggcag cccagcccag gggaccggtt cctcttgaac
360cagtcattgc ctgtggcaaa tgtgtgtatg aa

392

<210> 2237<211> 395<212> DNA<213> Homo sapien

ttgataaaaa gtcaaagatt agcaaagata tatgtctatg caataacaca tatatgaagc
60acagaagcaa aagctggact cagaacaaaa atagcaagtt gagccttaaa cacactgagt
120ttgccttggg agtagaatgt ccaggcagag aagtccatca ggcaattgaa aatgtgaatc
180tgcaacttgt aaaaaatgta ttattcagcc tgggctgtca tacaatagac cacagactgg
240ttggccttaaa caacaaaaat gtatttctaa ccattctgaa ggctagaagt ccaagatcag
300gatgtcagca tggttgggct ctattgaggg ctctcttctt ggccatata tggccacctt
360cttgctgtgt cctcacatgg ctaaaagaat aagag

395

<210> 2238<211> 394<212> DNA<213> Homo sapien

cggtgctgtc ggcaggctgt gatcggtatc ctacagcctt accctcgtgt cctggatctt
60ttccttccat ttctgtgta cagccttttt ggggacactg ccgttacctt actctagcta
120gcatagctct gtctgtaggt gtcctataaa ggtgatagga ctgaccacac cgtcaccttt
180cccggaacc caagaggag cgttccacag agggagcgtg tagtgggggg aactgtttta
240taaatattc cgtttattga aagggtcaca aggacaaaga ggcaacagca agagtcaggc
300acagaaataa aggacgcaga agtagaagtg cgccttggac ctggaggact cttccagagt
360gtttatcact tggtagacct gtaggagggc tgcg

394

<210> 2239<211> 396<212> DNA<213> Homo sapien

ggcacgagga ttgtcccagg acctgaaggg agcatggatg gcctcagggc ctggtgaagt
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120gccttgctcaa attcaatctc aatggccatt gtccacataa ctgatcccc atggctgctt
180ctcctattat ctattatcac tgaaacttag tagcctgctt tttttttttt ttttttaaaa
240cctatgggaa atttcccttg ttgggaacct tggccccggg ttgggttttc ctttcctttg
300gaaaattaaa acccaaaagc cttttttttt tgggtgaatt accggagggc cttgccctaa
360ggggctgccc tgccccttgg ggggaatata aaaaaa

396

<210> 2240<211> 391<212> DNA<213> Homo sapien

ggcacgagct ttcttaaaac catctaaaat aaaaccttct tattttagta gtgtcagtga
60aaataagcag tgacatttct tagaattctc agctttcaaa tctacatgct gtgatcctgt
120ctgcctacca tctggacagt tttgttttac tcttgggttc ccccatggag taaaagtctc
180aaatcatcta ccttggtttc tcttaccctc aggtgatcca cccgcctcag cctcccagag
240ggctgagatt acaagtgtga gccactgcgc ccagcctaca gaggactatt gagcatccaa
300tgactatgct aggtatgcag gtatagtact aagtaacagg agttcctaata cctaagaggt
360tctccatcta gcagaagaaa accaaacact t

391

<210> 2241<211> 392<212> DNA<213> Homo sapien

ggcacgaggt tgctcacagt gggttcacgag ttatcgaaca tgatacagtt aatgatttcc
60gagagaagat gatgtataaa gctatacatt gtgttcaaaa tatgaaacca gaggagtatg
120ctcataagat tttggaatta cagatgcaca gtataatgga aaagaaaatg aagaccaaga
180gaaatattgc caagcattac aagaataacc catcactaat aactttcctt tgcaaaaact
240gcagtgtgct agcctgttct ggggaagata tccatgtaat tgagaaaatg catcacgtct
300atatgacccc agaattcaag gaactttaca ttgtaagaga aaacaaagca ctggcacaaga
360agtgtgcccga ctatcacata aatggtgaaa tg

392

<210> 2242<211> 391<212> DNA<213> Homo sapien

cggtgctgtc gagaggttta accttggaat aaaagaaaga atcagcaaat acattatctg
60agcctacata cactttgtaa aaagtatact tccactgttc agaattagat gatggcacia
120aacctgttga ggtcttcatt catccttaca aatgtttatt atgctgagtg tcccaggtga

180ctggatacag tggagtgaat tagaaatttg aaattattgc cctgagggga cctacattct
240tcttggttga gtgcgtctgt gtgggataag gtagacaaat aatataggaa attcaaaaaa
300ttgtttcaga ccatagtaag ttctatgcca gaaatgaata gtccatatga taagaggaac
360agacattgtg agatgttga tctataggaa a

391

<210> 2243<211> 396<212> DNA<213> Homo sapien

ggcagcagat aaaacccagc tgtgtaagaa ttattctaaa tttaaagttt attcttatta
60ccgtagggat aggaatgtca gcactcactg aattatggcc ttctctctct gtgtctggac
120ctcttgccag cttatgggtc cgttttctt tggataacag gatacagctg gtggcaaaat
180tctcacctgt ggaatggcca ttgggagttt tcttctccat atagatctt gcaaagcagc
240agaaaccatt ttgacaggaa accacaagcc tgtgttaaac accaaaagag aattgaaata
300acatgtccat gagttctct ttctagaggt accaaccatc atgtgggac ctaagtatag
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396

<210> 2244<211> 392<212> DNA<213> Homo sapien

ggcagcagc aggggtggagc cctctgagct gcccgtgat ctgcagcact ggatctccta
60caacgagggc agcagccagc tgctccgcat ggagagtagg ctgagtgatg tcaccaagga
120ccagtgaccg ccaccttcac accgtctgcc ctggccacca tcttgggctt gggggctgcc
180cacagatggg cagtctcagc catactctgt tccagctgga gtagctctct gaccagcctg
240gcccaccctg ctccaccac tggggccccc cagttattga taccctctg tgctgggctc
300cacgctaggc agaaggagga gtggcattgg cactctgacc cagctctgcc ctcaagggtg
360ggatggatgg gcaaaggaga gtctgctg gn

392

<210> 2245<211> 397<212> DNA<213> Homo sapien

cggtgctgtc ggttttcac caattctac tcgtagcagt acattagaaa ctacaaagag
60tctcttatac attgataaaa atgagcattt tacagtttac agagatcctg cacttattgg
120gtcagaaaca ggagctaate atatttcacc ttctctaagc cagcatcctt tctctctca
180tctctcatct catagaacct gtttaaatec aggtaccat cactctgct taactcctgc
240accccatatta ctagccgat catctagtca aactccatta cctaccatta acactatcc
300tctgactagt ggtccacacc atgctgttca tcacctcat ttacttcca ctgtgttacc
360tgagtgctt actgctctt tacttgggtg ccacca

397

<210> 2246<211> 396<212> DNA<213> Homo sapien

ggnacgagnc cgcctctccc tggcctgagg ttcaaaggcc tcatcgatg gtcagtacag
60tgggtcacc tgttgttct atacaacagc agggaagggg ccatggagct ttccctgct
120gggtgctct gctttggccc agccacctt tcttgggtg ccaagctagg aggtgtggc
180cccagcctga ggaggggtgc ctggcctcca ggtgtgcagc aggggtgtg tgctggggga
240gggtccagtt aggcgatggg atcctgcagt ggtctgggtg cattcttgg aaccagattt
300acctgaggag ctctgtcctg ctccctgtgg agggctccag atagctcaga aatgaccagc
360caatggcctt ttgtttgggg gcctgaggtc aagaga

396

<210> 2247<211> 395<212> DNA<213> Homo sapien

cggtgctgtc ggggcgtaag cacatctctt ttctggactg gccgactcct ttctggctcc
60atcctctctt gagccttctc tgtccagctt aaagaaatcc ttgcagaaaa ctggtcagga
120tctgggtatg ggtgggaagg agcaaggaga ttgctctggg attggcagtc ctgttctcta
180tgaatcgggtg tcttttgggg aggcctggac tgaaatacta accagataac tcccctccca
240cctccatgag gagctgcatg tggattgaga gctgtttang gtaggcaaaa atgctgtcaa
300gattctctta cccttgtgct ctactctgg acagccctga ggttggctgc ctgccttctt
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395

<210> 2248<211> 391<212> DNA<213> Homo sapien

ggcagcagcc tgaagccagt agacagtga gaggctcgtt ggacgaacc ggcgctgttg
60gaggacgacc tcaagtgtgct cctgagcctg ggcaggggg cggtggctgt gctagacttc
120attcactact gcagagccac cgtgtgctgg gaactaaagg gaaacatggt ggtccttgtg
180cacgacagt gagatgcgga ggatgaggag aatgacatcc tgctgaatgg cctcagtcac
240cacagccatc tgatactgag ggctgagggc ctggccactg gcttctgcag ggatgtgcac

300gggcagctga ggatcctgtg gaggagacca tcgcagcccg cagtccaccg ggatcagagc
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391

<210> 2249<211> 395<212> DNA<213> Homo sapien

ggcacgaggc catctggccc tcacctcccg ccgtagctgg ctgtgacgcc cgccatgggc
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 120aggcagaact tgatgaccgc ggagccccgg agcctgagct tgttcacaaa gaagccggcc
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 240ctcacatcac cccacactgc aggagggcgg ctctttcctc tcggccacac ctagagcctg
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395

<210> 2250<211> 397<212> DNA<213> Homo sapien

ggcacgagct ggcggcatta tctgctgggt tatgtgaca ctaagctggc taatgtactg
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 120ccaggggcctg tgaactcgga gctgttctcg cgccatgttc ctggatggct gcgcccactt
 180ttgcgccccat tggcttggct ggtgctccgg gcaccaagag ggggtgcccc aacacccctg
 240tattgtgctc tacaagaggg catcgagccc ctcaagtgtga gatattttgc caactggcat
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397

<210> 2251<211> 392<212> DNA<213> Homo sapien

actgcacgag ggtcaatcca acattgttta tatcagttca cccgtaatga gaaacttcca
 60gatgcgaata aactgctttg agaagtatgc acacggagac agtgaatgg accaaaggca
 120tatataaaag gtgaaaggaa gcatgtttac accaatgcca aaaagcacat gctaatttct
 180cttgctactc ctgatcttac tcttcattta aagagatttc agcaggtgg ttttaacctt
 240cgcatagtta acaaacacat aaagtttccg gaaatcttag atttggctcc ttttgcacc
 300cttaaatgta agaattgtgc agaagaaaat acaagggtac tctattcctt atatggagtt
 360gttgaacaca gtggtactat gaggtcgggg cn

392

<210> 2252<211> 396<212> DNA<213> Homo sapien

tcttagacga ccaattatag gttatggagt ataattatc aagagtttcc ggggagaaac
 60tttaggatat actcggtttc aagggtgtta tctgcctttg ttgtgggaac agagttttg
 120ttggaaaagt ccgattgctc tgggttatac gagggggcac ttctctgctt tgggtgccat
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 240caccatcaca tttttgcctc tgggtgacag tgaaaggaa ctactccatg tgcattcct
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396

<210> 2253<211> 393<212> DNA<213> Homo sapien

cggtgctgtc gattgccgtg gcgagcgaca agtcctcttt tgccactcct ggggtgaacg
 60tcggggtctt ctgttctacc cctgggggtg ccttgccaag agcagtgctt agaaagggtg
 120ccttggagat gctctttact ggtgagccca tttctgcccc ggaggccctg ctccacgggc
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 240agatcgcgct actgagccgt ccggtggtgt ccctgggcaa agccaccttc tacaagcagc
 300tgccccagga cctgggggacg gcttactacc tcacctccca ggccatgggt gacaacctgg
 360ccctgcggga cgggcaggag ggcacacgg cct

393

<210> 2254<211> 388<212> DNA<213> Homo sapien

ggcacgagga tctttatgca tttccacta ctcccttact gtcttttagc attcacagaa
 60aaagccaact tgcttaaaga ggaatcactt aaaaggtagg catatctaag atgctcatag
 120aagagggaaga atgggacatg gccccatgct tatttttgtt tacaacgtaa catggcatga
 180gagaggggcag agaaactaag ttgctgggga aagtttagag aactgaaagt ttgggaatag
 240gctgaccaca tattatgcca gtgaccagta tgacaggaga tggggccctg ctgccaagtca
 300tctccactga ataaagaata atgctcctct ttcagggtaa taaagtgggg aaaaggaacg
 360tcttctcaat gcaagaacat aagctttt

388

<210> 2255<211> 387<212> DNA<213> Homo sapien
cgttgctgtc gattttggaa ctcaacccta tgaacaatgg gccattcaaa tggaaaaaaa
60agctgcaaaa gaaggaaatc gcagagaacg tgtttgtgca gaacatttga ggaagtacaa
120tgaggcccta caaattaatg acacaattcg aatgatagat gcgtatactc atcttgaaac
180tttctataat gaagagaaag ataagaagtt tgcagtcata gaagatgata gtgatgaggg
240tggtgatgat gaggattgtg atggtgatga agaatgagat gatttactca accctttgaa
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387

<210> 2256<211> 385<212> DNA<213> Homo sapien
cgttgctgtc gcttattttt gtctttcact atcgaggcc ttagaagagg tctacctgcc
60tccagtctta ctagtccag tctacccctt ggagttagaa tggccatcct gaagtgaaaa
120gaaatgtcac attactccct tcagagattt cttgtagaag agccaatccc tgaatgccac
180caagatctta atcttcacat ctttaattct atctctttga ctctcttta caccggagaa
240cggtccagc tgttctagct ctcttcagtt tctttgaacc tccccacctt agggctata
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385

<210> 2257<211> 388<212> DNA<213> Homo sapien
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60gttgacctaa tgcacagcag gaaagcattt tcatttgcta agaagtttcc atatgaaggg
120ccacgcagac ctgagcatgt agaaaggcaa ggggccaggg aagttactag aacactgact
180ctggggttat attgcctggg ttgaaatcta atcttggtcg cttactgggt atgctacca
240aggtgtctgt accttcattt cccacctgt agaaataggg ataggatagt ggaaggatt
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388

<210> 2258<211> 389<212> DNA<213> Homo sapien
cgttgctgtc ggctgaagct gtcacctgtt ggaatatcag atattaagga tggccagaag
60ggcagtgggc agagccagag agtgtttctt gaagcctgtg acagatttga agggcctgtt
120tcatatatct ataaactgaa gagctacatt gtttaaagaa ttttaatttg aaataaattt
180accctgagat gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt
240atgcatatat aaataccacg gccaaagagga ccatcccttc ctttatctga gaaaggaagt
300atacaaaatc cgcataaatt taccggcacg agtccccctg cttgcattgt aggtgtcaaa
360gcccgggtgc ctgatcttga cataggaag

389

<210> 2259<211> 385<212> DNA<213> Homo sapien
tacggttgct agattacgac agaaggggag tcagatggga gtgctgttta accttttcag
60gaactgtcag actgttctga agagggtaca ttattttaca ttccaaccag cagtgtatga
120gaattccagt ttatccacat cctcatcaac agttgttttg tctgtctttt ttattatatt
180catctcgcac gtgaagcgcg tatctcattg tggctttgat tcacctctcc ctgacggtg
240acgacccccc ttctcattgc gtacgtctat tacctccccg cggcctttct tcataactg
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385

<210> 2260<211> 390<212> DNA<213> Homo sapien
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120acaagcatat cttaggcaga atgatttga cattgaagaa gaggaggagg aggaggaaga
180ggaggaagaa aaatctgagg ttatcaatga cgagcaagcc ctgcagggga gcctggtagc
240aggggcccga agcacagtag agacggacct gtttaagagg cagcaggcga tgccctccac
300aggagggaatg cccccacgc cgcaagccgc gcagctcgct ggacagaggc agagtacaga
360gcagtatgac ccctccacgg ggcctcccg

390

<210> 2261<211> 386<212> DNA<213> Homo sapien

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120gttttataag tatgttgaat aagttgagcc agtttgaatt gtgtccttct cttttaaaga
180aaagatttcc caaatttaaa cctggattta gatgtttttt gggtaaccc tactgaactt
240tccaaaattt tcaggcttct gggcctaact caaactgtaa ttcatgagg cggccaagt
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386

<210> 2262<211> 389<212> DNA<213> Homo sapien

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120tcataatctat tagggaaaga aaaatgatca cagtctgcta agagtcttga ttttctttgt
180aatgcctcac atagtatgat aatcagtctc caaagcatca catgataatt acaatgatac
240cattaacatg tcaaggaaat tatattttt atgggtgtca aaaattatga agtagtgtat
300gattataagc agatatggca aatttgttca gtaaaccat agatgactac attttgagaa
360ataactaagat aataactaaa attatgccn

389

<210> 2263<211> 388<212> DNA<213> Homo sapien

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120tgtgtaaatt gtatgtgaat acaaacattt tatataaggg acttgagtat ctgtggatct
180tgatggggta ggggggtgtcc tgaaccaat ccccttgga tactgagga tgactatata
240cttaagccac cagacatctt gcatacata gacaattgtt tgggggtccat gagctttaat
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360tgaatctgta gaaatatact acatttgn

388

<210> 2264<211> 386<212> DNA<213> Homo sapien

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120tatatatcgg gggcgggagg aattacagac acttaaacca ttactgcctt ctctctcaaa
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240gatactcatg gcaactgacat cgatgagtct atgagggaaa ttagaaagat aaatacatct
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386

<210> 2265<211> 389<212> DNA<213> Homo sapien

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120agtttaattac ttaaagctga taaactagcc tgggtgcagt ggctcatgtc tgaatgcca
180gcagtttggg aggccaaagac aggtggatca cgagggtcagg agttcgatac ctctctgacc
240aacatggtga aaccccgttt ctactaaaaa taaaacatt agctgggcat ggtggcacgc
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389

<210> 2266<211> 389<212> DNA<213> Homo sapien

ggcacgaggg aacatgaggg aatgggcaag cctagagatg gtttcatgcc atctctagct
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120atttttatat ccatttggat gcagaggcaa tatccccatt ttacagcaga gggagatacg
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360caggcacctt gggcagggtc ataatttgg

389

<210> 2267<211> 390<212> DNA<213> Homo sapien

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120tttgtaatta tgatactgat tttaatgccg cacatttgca tactatatgc ttgttacagt
180gatccccaca gtaactcatg aagcagccac tcattgtaca aatgaacgtc tccatataat
240agtttagcta ttatacagta catggcagaa acacaattca aactcaagtt tatacgaata
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390

<210> 2268<211> 390<212> DNA<213> Homo sapien

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240attgggtcttg ttatccactg tattagcacc ttccctgatg tgctttggag gttgatcaat
300gaatttctga gactttctgc tgggaattact ttaaggggtgt cttattagat gatgaaaagt
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390

<210> 2269<211> 387<212> DNA<213> Homo sapien

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120aaatccaggc ccgtgaccag tgacttgatc agggctggcg atatatctag gtaggccaac
180caggtggact cagtattttt gtgggtgcta ctggaaaatt tatttaattc taactgaatg
240tagaaacagc aacagacatg aaatggcagt tgtattgctg tcttatcatg aggtgagggc
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387

<210> 2270<211> 385<212> DNA<213> Homo sapien

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120agagcccaga gagctgggtg tagctcacac ccgttccctg ggcattgtgtg ttctgtcctc
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240gacgtgtgtc cggaggtggc cgtgtttcac agtggggatg ggggtaggga ggtccccaat
300gtgctaagct acaatcattc tccctgagat ttcatcttag caccagttt cttaaacagt
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385

<210> 2271<211> 386<212> DNA<213> Homo sapien

ggcacgagga aggcagttat atggnntttt actttttcat caattccata ccacggggag
60taactaaatg aacatactt caaagaaaga agtcaaatta aatgactgtc attgcccatt
120aataaaaaaca acaatctgag cttaacaaaa aatttaacaa acagggaaga cagaagatg
180gtatatattt tgcttgacta cactggcata actcacttta acaaaaatta tcacatttaa
240taataataacc tgttatagct aaatattaaa cacatattaa ttagggccaa ctttgaagga
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386

<210> 2272<211> 388<212> DNA<213> Homo sapien

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120gacaaaagga gcaggaagtc aatcacttcg atcccagttc tctgaagccc aagaagaaaa
180cggattttcc ttcgttttgg ttccggaggcc tagtagagaa tttggattcc accaagttct
240cttttttcaa aaaaagtaaa cgggtccagag cagacaaaaa ctgtggaaac ttgaggcctg
300ggtagtagtg gttttgtttg attttgaggc tttaaagaga taaggagacg gtggtggagc
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388

<210> 2273<211> 390<212> DNA<213> Homo sapien

cgttgctgtc gcttatgtcg tattgcttta cagccactac acttggattc ctgttgatta
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120caccagcaag tattccatac ctacttgatg ttgctggctt ggtgtcttat ttcctaaagt
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240aaggattctc tctcctgaga ttgtagcagg cagccaaaca ttttcaaag atgcccgaag
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390

<210> 2274<211> 389<212> DNA<213> Homo sapien

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180gatggagcgg cccacagcgtt cgggagcggc ccgggagcgg aaagcggcag tgtcctggga
240gcctcgaaag ccgcaggggc ggcagctcgc ctcggaatga cctctgacgg aagaaataaa
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360cgtactgggg aggtggactt caggagagg

389

<210> 2275<211> 389<212> DNA<213> Homo sapien

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120ctggacttcc ttgggaaaaa agcctattg gcctttccca aaaaactttt ttttcaaaag
180gaccggcttg tgggaaaaaa gcccccttg gggctttttg gggggggtta aacccaggg
240agaccggga acctcatttc ttggccccg tttttatttt tttgtaagct tttgaaaaac
300atttttttg cccttttttg gggaggcccc cccttttata accccagggga aacaagggtg
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389

<210> 2276<211> 390<212> DNA<213> Homo sapien

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240gctcagggat gtctcgactg tgagttacag ctgcacgctc tccaggaaaag aaggaatttc
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390

<210> 2277<211> 386<212> DNA<213> Homo sapien

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120cggaggcgac ggcgggacct tggccctcat gcagagggtc agctggcccc gagggatggg
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240gccagctcc gccaggctgc ggggggagct ctgcagggtg tccacagccg gcagcttaga
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386

<210> 2278<211> 385<212> DNA<213> Homo sapien

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120cacgtaggcg cctggggccc tgggtcttct cgactgcctc tccactgcct ggaggtcatc
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300attctgacta ccaagcgcct tgaagttaag ttgaactctg aagacagatt gcctggctac
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385

<210> 2279<211> 390<212> DNA<213> Homo sapien

ggcacgaggc gtccttctctg accttccact tccaccatgt gccgacactt ccctgacccc
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240cccaggccct gcgtgttgcg gtgagaggag ctttctgtgc tctgtggttt gctgctggag
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390

<210> 2280<211> 386<212> DNA<213> Homo sapien

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180acttctccct aagccctctc tgggcccgaag ctactcctgc cctgatctgg ggccccctgg
240cccagggtacc tgcacctggc cacctgtccc accccaacca agccgaccac ggccgcggcg
300gcacactgtg ggtggtgggg aaatggccc agccccgcca cccctcggc cctgtctccg
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386

<210> 2281<211> 390<212> DNA<213> Homo sapien

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120ggaaagactg ttctggcatc agatacacac cagcgaattc ggggctataa cttcgaggac
180cttacagata ggaacatagt acaagaagat cactctatta tgtcttttac tatttcaaaa
240aatggccgat tagctttgtt aaatgtagca actcaggag ttcatttatg ggacttgcaa
300gacagagttt tagtaagaaa gtatcaagggt gttacacaag ggttttatac aattcattca
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390

<210> 2282<211> 390<212> DNA<213> Homo sapien

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120tcacggacca taaaactcca agaggctcaa gaaggacag atcagccatc acttcatggt
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240aactcatttg ttaagggctg tctcactctg ccagaccaac aaaaactgag actgaagtcg
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390

<210> 2283<211> 385<212> DNA<213> Homo sapien

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120cccagcagac cctgaggaat gtgccaccga tagtgtttgt tcaagacaag ggaaatgcag
180ctctagctga gcttgatcag ttactggcag tcgcagactt tggaccccg gatgaaagag
240acaactttgt acaaaatgat ttcagggacc ctgatgcccc acaacctgc ggaccacag
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385

<210> 2284<211> 386<212> DNA<213> Homo sapien

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120tcagctggc cgagagcact ggtggcaaga ggctgctgat ccccgctgtg cctggtgtgg
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240gggggagggc ggaggacttg agcagggaca ggagttacca ctgaggacgc agaagtgact
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386

<210> 2285<211> 385<212> DNA<213> Homo sapien

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120ttggaatata catatggaag aagagcaaaa gggcacaaca caccaaaaga tatcgctcac
180ttttgggaac tcgggtggag aacctcttta ttggacttaa tcagcatacc catcacaggt
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385

<210> 2286<211> 389<212> DNA<213> Homo sapien
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389
<210> 2287<211> 388<212> DNA<213> Homo sapien
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388
<210> 2288<211> 386<212> DNA<213> Homo sapien
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386
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385
<210> 2290<211> 387<212> DNA<213> Homo sapien
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120ggacatcatg gagccagtaa catacttcat cacttatgga agtgccatgg caatgtatgc
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387
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384
<210> 2292<211> 381<212> DNA<213> Homo sapien
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240aaactatact atgtagagaa tcttaagtga taaccagggt cacggattcc aaacatgtca
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381

<210> 2293<211> 383<212> DNA<213> Homo sapien

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240ttttcaaaag aattttccaa accaaccccc ggccggggga aatttgacct tttttggcaa
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383

<210> 2294<211> 384<212> DNA<213> Homo sapien

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120tgcttgaac ctaagtcatt tggaaatgtac ttgttttctg ggtgtgctga gaggatcggc
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240ctaanaactac cactctacac tcctcttca agattcttt ctcgagctga tcaaccatga
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384

<210> 2295<211> 384<212> DNA<213> Homo sapien

cgttgctgtc gcgttttcaa attcacagg gagggggaat gtctcatact ccagccctcc
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120cctcggatta gagatgtca acctgcatc acaaatctaa agcctgcac tggctaccct
180ggggcgagtc ctgtttacag tgcctattcc tggagctgc ctctttttgc cttttgtttg
240attatgtgat gtattacttt tcccagcagg ccagtgttag catactggaa gagggattta
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360tcattatgg tggcagccct ccat

384

<210> 2296<211> 384<212> DNA<213> Homo sapien

gccgcactcc actgcacagg acatttatgc caccctcttg ccagatgcct ttgaagaaa
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120gcaggaggag gaaaagcagc acctccctca gacagctgga aaggccctct tccttcccag
180ctcagtggtt ccggccaagg gtcaccagac gggatattgt cccacctcc ctaccaaccc
240caagaacaca ctccacaccc ctcttcgctg ctgcggtgtg aagcttcagc ctaaccaaat
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384

<210> 2297<211> 379<212> DNA<213> Homo sapien

ggcacgaggc tatacacagc tctgttttgt caatgacctt tgttgtaagt ctcccaacct
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120ggctcgaatc tgtggcacc tgaagcaatta cttaaattgt ggagcctagt tcctcatctg
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240attctcctag ctcaagtact gccacaggat gggctcttca gattttggct ctctttagct
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360caaaaaattt taattcctc

379

<210> 2298<211> 384<212> DNA<213> Homo sapien

ggcacgaggt tttctcctgt taagctccat tgcctcttc cacattttgc tattattata
60ataaacatta taaatgttaa aaactcaaca atatgttgnt aaacttattg ttttatgtac
120tctatgcttt tttttttttt ttgaaaagga atttttcttt ttttcccca gctggaaggg

180aatggcctta atttttttta acaaaaactt cgccttgggg gggttaaagaa ttttcaaatt
240taacccttct gaagaactgg gaataaaggc ttggcgaccc ccccttcagt tattttgttt
300ttttaagaaa accccgggtg tttcaaagta aaaagggggg gcttggaact ccgagcccaa
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384

<210> 2299<211> 384<212> DNA<213> Homo sapien

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120gcagcagcaa ggggtgacatt gccactgacg ggggcttccg aactggggac gtttgtcatt
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300gcctggcatt gttcgccaca gcccaggtag tgattaaaac gactgtcaag cggcagtggtg
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384

<210> 2300<211> 384<212> DNA<213> Homo sapien

cgttgtgtc ggtgtagtcc gagtttccac agccaggtag tactccgcca gtgaccctgg
60acagtaacaa aacatataaa gcccagagccc aaaccccgcc accatcatag gtctgtagt
120actgtggaat caataagcca tggcatctaa gaaatttgcg gttaaaagac ggggtttggc
180tatgttaactc aggttagtct cgaactcctg agttcaagtg atacaccac tttggcctcc
240caaagtgtcg ggattacagg tgtgagctac cattcctgac ctaggggctt ttctaaggaa
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384

<210> 2301<211> 384<212> DNA<213> Homo sapien

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120ctgtctcagc ggttttcaca tatacaaaga agtggctaga atgttctctc agaacagcac
180acgggatttag aaaggacatt tggccgctgg aattcttcag tgagaattca gtgattaagc
240ctgccttctg ttttcttctg gggccgcagg gttcctgtgg atgtcccccac cctcagattg
300ctggagtaga aaatttaact ttccaaaaca ctgagttgtt ttcagcccag cattagaggt
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384

<210> 2302<211> 380<212> DNA<213> Homo sapien

caagtttgat gcaacataaa ctgataaagt ttgaaataaa aagagacagg ttggtaggaa
60agaccattca tatectatcc ccaaactggc ttaagtcac tcccactgcc cccagctacc
120accctttttac tttattctac ctgctatttc tttggccacc ggaataataa gcctgatgta
180aattctgttt catactccca caggtcaact ttttttgagg tttgacaata attattccaa
240gtcaagtaat tcattgattt tagtggaaga ttgttttcea ggtgttattc ttccatgccc
300ctcaccacca tctcataaag tagaaaagag atgatttaat ttatgggtct agaaaataaa
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380

<210> 2303<211> 380<212> DNA<213> Homo sapien

ggcacgagat tttggagacg acatggtag aggttagctc tagggatggt ttagaaaata
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120ccctgggaag ggcagcgacg ctgggttggg aggagcatag actgcagggc atctgcctga
180gtgtagagtc cctgggctc taattctgta aaatcgcggt aatagcatcc gcttctctga
240gctgttagag gtgtaacagg taaacccatg taaggtgctt aggacagggc tgggtgctggc
300taagtgcctg taatctgctc agcatcatta cctgcgttat ttagagcactg atcgccatgt
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380

<210> 2304<211> 383<212> DNA<213> Homo sapien

ggcacgaggt gtgttctgt tgtggctatt ttaagaatc ggtgttctc agaattgata
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120gcacagaaat cagagcctca ttcccttatt agtgaagcat tgatgaggag agcagcgtct
180ttggtaacag atagcacctc tacctttctc tctcagacca catatgcgtt gattgaagct
240attactgaat atactaaggc tgtttatacc ttaacttctc tttaccgaca atatacaagt

300ttacttgga aaatgaattc agaggaggaa gatgaagtgt ggcagggtgat cataggagcc
360agagctgaga tgacttctaa aca

383

<210> 2305<211> 379<212> DNA<213> Homo sapien

gggaagagca cctagcccgg aatcccccta cagactagt ggcagtgaggga cgctgggtgat
60atgaggaggc agaggcagca cccaggagaa acagggcagt ggaccaatgg acagctccac
120cagctccaca tctttggaag ctagatttgg ggagagagaa gctctacccc agacttaata
180ccattgaaa ttccacctca ggtgttgtgt cctgtgtctg gtttaagtgt ccatgggaagg
240ggaaagcctt cacgtcagaa cccaacccta taccttttac ttcttaaatg gtgctaacca
300caggtgtccc aggtgtctct gtgccagtta agatttttaa ctttcaagg ggcaggcata
360ctgggaaatg tagtttccc

379

<210> 2306<211> 154<212> DNA<213> Homo sapien

aagtttctcn nnacacgatc tgatggggtc ttgggctaaa ggaggtccct gctgtcctgg
60agaaagtcct agaggttatc tcaggaatga ctgggtggccc tgccccaacg tggaaagggtg
120gcaaggaagc cttctcccat tatccccaat gaaa

154

<210> 2307<211> 384<212> DNA<213> Homo sapien

cgggtgtgtc ggggtggcttt tgcctttgat cccagctatg ccgaaggctg aggcaggaga
60attgcttgag cccaagaggc ggaggttgcg gtgagccggg atcgcgctcat tgcactccag
120cctgagcaac aagagcgaaa caaaaacaaa caaacaaaca aaaaaaacc acccaaatcc
180tttttttaat gtagtaggggt ttatatagat atactaatat aattgcattt ggagaattag
240agtatgtatg gagccacac atactgtgat ataaagtgt tatacagata ttggatatt
300ttctagtttg catgatgatt aagagaacca gatgggaaaa tacaatctcc aaagtgatgt
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384

<210> 2308<211> 384<212> DNA<213> Homo sapien

cggtgtgtc ggggtggcgggt tgcctgtgat cccagctatg cgggaggctg aggcaggaga
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120cctgagcaac aagagcgaaa caaaaacaaa caaacaaaca aaaaaaacc acccaaatcc
180tttttttaat gtagtaggggt ttatatagat atactaatat aattgcattt ggagaattag
240agtatgtatg gagccacac atactgtgat ataaagtgt tatacagata ttggatatt
300ttctagtttg catgatgatt aagagaacca gatgggaaaa tacaatctcc aaagtgatgt
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384

<210> 2309<211> 379<212> DNA<213> Homo sapien

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120caaccggcc gtgggggctc ccaggctggc ccccgacaca cggactcgtc ctgcttgctc
180acgcctccca gcaactccact tggccttgag cctggggacc ccgactggcc agagtcggc
240ggccccctgt gaaaagcgct cccagagagg cagaggaatg gacccagcgg cctccgggg
300gcagctccgg aaggagactc tgcagccctt gcggaggagt cccctccagc cccgtccagc
360cgagctcca gcaccgagg

379

<210> 2310<211> 380<212> DNA<213> Homo sapien

ggcaccagc gctttgtgac tggaggtcat cgtgggcagt tctatcagt tgacttagat
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120ggaaagactg ttctggcatc agatacacac cagcgaattc ggggtataa cttcaggagc
180cttacagata ggaacatagt acaagaagat catcctatta tgtcttttac tatttcaaaa
240aatggccgat tagctttgtt aaatgtagca actcaggag ttcatttat ggacttgcaa
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380

<210> 2311<211> 380<212> DNA<213> Homo sapien

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60tgggggcccc tggcccagg gctgcacct ggccacctgc tccaccccaa ccaagccgac

120cacggccgcg gcggcacact gtgggtggtg gggaaatggc ccgagcccg ccacccctc
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240ccacatcttg ctgcgccacg gcatccactt ccttctccga accagcagaa cccagggttg
300gttcaaccaa agggaaggag ccaagagcct caaaggacca ggtgctttca gaacctgaga
360ccaagaccat gggaaagggtg

380

<210> 2312<211> 378<212> DNA<213> Homo sapien

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60aaaaaagcca ctatgcagat caaaaaaggg aacagggtta aggtgagtag aatactgacc
120agccccatag ataacaataa acaatgttaa atatgcgaat gacagaattg aaagtcattc
180aatgcaactt catcaaagggt ggtcaggct tggattgac aaaagaaaga ggaaaactca
240cagtgaagtt gtggagttcca tttatgtagt tatgtgttct acctttttta attgtagtaa
300actgagtttg ggtatagattg attctttcat acattctact ccagttagta gatattaaat
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378

<210> 2313<211> 152<212> DNA<213> Homo sapien

catgatatcc tgaacccac ggcaggaact gaacctggta aagagaataa ggagtttggc
60ctgagaaaag caaactcttg cattctcaga caatgaggta gatcagttac cctacttcac
120agcataagag gggaatgtgc tctcagcatt tg

152

<210> 2314<211> 377<212> DNA<213> Homo sapien

ggcacgaggc aacctctgcc tcccaggttc aagtgttct cctgcctcag cttccccaat
60agctgggact acaggtgtgc gccaccactc ccagctaatt tttgtatttt tagtagagac
120agggttttgc catgttggtc aggtgtgtct cggaactcct gacctcaggt gatccaccgc
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240acgtctttga ggttgagtgc aggccttggtg ataactaagt gctacttttg acgagccttc
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377

<210> 2315<211> 377<212> DNA<213> Homo sapien

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120tggaggcacc tctcaagata caaaagcatc tgagagctcg aagccatggc cagatgccac
180ctacggcact ggttctgcat cacgggctc agcagtttct gagctgagtc ctgaggagcg
240aagcccagct ctcaaaagcc ccctccagtc tgtggtggtg aggcggcggt caccgcgtcc
300tagccccgtg ccaaaaccta gtcctccact ttccagcaca tcccagatgg gctcaactct
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377

<210> 2316<211> 153<212> DNA<213> Homo sapien

ctaaatcttt tcttttctg tctccttaaa ttgattgtac ttccaaattt gctgttatga
60ttttttccta atactgtgat ctatctgac tgcagacaag aaccttgtct ctgttgaaga
120gcatcaaggg gagattatgt acacattgaa atg

153

<210> 2317<211> 376<212> DNA<213> Homo sapien

ggcacgagggt gtgttcctgt tgtggctaac tttaagaagc gnggtttctc agaattgata
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120gcacagaaat cagagcctca ttcccttagt agtgaagcat tgatgaggag agcagtgctt
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240attactgaat atactaaggc tgtttatacc ttaacttctc ttaccgaca atatacaagt
300ttacttgga aatgaattc agaggaggaa gatgaagtgt ggcagggtgat cataggagcc
360agagctgaga tgactt

376

<210> 2318<211> 378<212> DNA<213> Homo sapien

cggtgctgtc ggtttttgtg tttttagtg agatggggtt tcaccgtgtt ggacaggctg
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180acgtccaagc caccaccttc ccacaacccc tgttctcttg gggaatacac tgtttttgca
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300agattgtttc gcactgcggt gtaatctgtg tgctgtcac tggggtctgt tcttcttga
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378

<210> 2319<211> 373<212> DNA<213> Homo sapien

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60aggcggagcc cctatttttt actggcgggg ggggcctttt aggggttttt aacccccctt
120gccccctttt taaaaaaaaa ccgttttttt ggggcttgga aaacttcgaa aaaatttttt
180tttaaaaaaa ggggcctggt ttggaaccgt ttttttccca aaggaccggg gcggaaaaaa
240aacttttacc ttggtccaaa aaaaaaagg gaaaccctgg cccttcttag ggggaaaaaa
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373

<210> 2320<211> 377<212> DNA<213> Homo sapien

ggcacgagat ttgaagtttg ttaatggagt gacttgggcc caggaccag gaagttaagc
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120ccactccttt ccagctgtc accttctga gagtagaggt ctgagatgtc cagggtgtag
180atgggagaaa gcctggagag gagaagcaag agtcttctat aatctctaga taatcagtag
240cttagctaata tgaataaaga actgaataaa tgattttaat tgaaatattg ccatggtaat
300gctagtgttg taataaagat gtggcatgtc aggaggaaa tgcaaccgat atttgggtct
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377

<210> 2321<211> 377<212> DNA<213> Homo sapien

cgctgtagt ccagctact ggggaggctg aggcaggaga atcccttgaa ccaggaagg
60ggaggttgca gtgaactgag attgagccac tgcactccag cctgtgtgat acagtgagac
120tccgtcttga agagaaaaaa aaagggtggg gggctggttt ggaatcataa acataaatat
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240atgggacctg gtatttaata ggttgtggtt gcaatcagca tggcctgagg gccagggaag
300atcacacagc tgacacccta cctgctttcc ttccagttac tctgacctc catgtrtgac
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377

<210> 2322<211> 373<212> DNA<213> Homo sapien

ttccgttgct gtcgggggct gcccatcacc ttctattctg ctgggatcag gttttcttag
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240aaggatgccc atctggacat ggagccgaca caggtagtca gggggccagc gggacgctta
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373

<210> 2323<211> 375<212> DNA<213> Homo sapien

cggtgtgtc ggggcgttcc tgtcggggtt gcagcgccgg gagggagccc agtggaggcg
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240agaagaaaaa gcgggtggac cggctgcgcc atcacctgct ccccatgtac agctatgacc
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375

<210> 2324<211> 377<212> DNA<213> Homo sapien

cggtgtgtc gggcagctca cggaattgtc atgagatggg gtgttcccag tcatgcccac
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120tgtgggcctc cctgagtgc ctgagtgagg tggcagaagg ggtgagaggc catggcgtct
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377

<210> 2325<211> 377<212> DNA<213> Homo sapien

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120actggagatc tcctggatgg agttggatta agacagaaga tggctggaag agatgtgaat
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300ccattttaga aatgacacaa atactcaaaa ggcattggcta ttgcaccttg 360ggagaagcct
ttaatcg 377

<210> 2326<211> 368<212> DNA<213> Homo sapien

cggttgcgtc ggattgccaa agagtgatta tgtggctgag tgattgatga tggctctgaac
60tgggtattca gggaagagaa ctagaagcca accatgtaga atctatgcag gtgctcttaa
120gacattgggt tgaactggaat tatcttcttg ttaggtctta ggaatctcct tccaggtaac
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240ccacatggcc aataaaaagt aggggttaca aggtgagatc caggggccag agttatcaaa
300gtgatacagc acttttagga ataggacagg gaatggagga attggaattc cagtattact
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368

<210> 2327<211> 372<212> DNA<213> Homo sapien

cggttgcgtc ggattgccaa agagtgaaga tgtggctgag tgattgatga tggctctgaac
60tgggtattca gggaagagaa ctagaagcca accatgtaga atctatgcag gtgctcttaa
120gacattgggt tgaactggaat tatcttcttg ttaggtctta ggaatctcct tccaggtaac
180tttttctatg attagacaat tgatttggtc agggtcacag agcaaagtcc acatttaatt
240ccacatggcc aataaaaagt aggggttaca aggtgagatc caggggccag agttatcaaa
300gtgatacagc acttttagga ataggacagg gaatggagga attggaattc cagtattact
360ttcaaaagca gt

372

<210> 2328<211> 150<212> DNA<213> Homo sapien

gaatttaaca cannggata ccgaacttcc attctttagt cattccaggc ggatctgagt
60tttatattcg aacttttaac acagcttttg agttttgagt gacttgaatt tttaatctt
120nttttaatac gtactttaa tgaacatatg

150

<210> 2329<211> 368<212> DNA<213> Homo sapien

ggcacgaggt ccagggtaca gttcctttag aggttcctca ggtgaaacca aagagaactg
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120ccatctttga gctgaaatct gtggctgctg gctgcctctg gttgctgggc aaagacaacc
180caagcccggtg tccttcaagg gattctcaga aacccacttc cccactgcag tcagcaggag
240accatttga agaagaacta gatctgttgc ttaatttaga tgcacctata aaagagggag
300ataacatctt accagatcag acgtctcagg acctgaaatc caaggaagat ggggaggtgg
360tccaagag

368

<210> 2330<211> 372<212> DNA<213> Homo sapien

cggttgcgtc gcttattatt gctattaata ttagttttag ctgccataa taaattgagt
60tactgttgat agcaatgtca atgtcaata taatacttga aagttttat ctcaacacat
120ttctttcctg aacctcagag ctgtatgtcc aactgcctgc ttacttcagt atctccactt
180gaagatctta aattcatatc cgtttgctta aacctgaact catcgtcctc ctccaactgc
240tctaccaca gctttcccca tctcagttga aggcagcgcc atctccact cctatcgctc
300aggacagaaa ccctcaggtt gtccctggct ctttctctca gctctgctc ctaaattatg
360ccatcatcca cn

372

<210> 2331<211> 367<212> DNA<213> Homo sapien

aattccgttg ctgtcggttg cagggccttg gatgtcaggc caccctgtgt ggggtccctg
60ttggcagcca ggtccctaca caaacaagta atcctgtttg gcctcctagg ttttgcatat
120gacctgcagc ctaatttggg gtgtagggga agctctgctg gcccttgctc ctttgtatgt

180tgggtgactt taatggctgg ccacataccc ttttctccca gctactcatt cactgacttg
240ggtaagtctt aagacagttc gcacttagaa aagaatgtga cacatcaaca ttaacttttc
300ctgaaaagaa gagtttgctt aacatggtcc taaagaagct tggaatttat aagactttcc
360tttataa

367

<210> 2332<211> 367<212> DNA<213> Homo sapien

aattccgttg ctgtcggact tggcaccctc tgtgccttgg ggccttgcc cagctggctg
60ggccacctcc gtgtctgggt tcatcgccag tccccaagac ggtgctccag gcccctagac
120agggagtgcg atcccacggc agtgggcagt cctgtcccgc gagcccgcc ctgacttga
180gtggtgctga cctctaactg tggacgccat gctccatcct cctggtgggt ggcggcggg
240cggggggggc ggccatgctg ggcagccac acaagccact gtcacctgct gtcgccacct
300ggccgacctt ggttgattgg ggaatgctgt cagccccgca gcccctgtgg ccatagctgg
360ggcccg

367

<210> 2333<211> 364<212> DNA<213> Homo sapien

cgatgctgtc gatctttctg tgttttttta tactctttta gggttggctt tttacaaacc
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120tttctcctaa tctatgactt tattgttttt tcttaggtta gtaatagcat ctttgatcct
180gtgcttagca tgttagggtc attatacctc aggaatagca agctgttaag taaccatact
240gaattaacta ttttaattaca gtgagctcat ctcttaaaaa ttgttcaggt gtaaatctta
300tgagaaacat gaaaaagcac actgatttat ggagagttga gctaaaaaca tttataaata
360tttg

364

<210> 2334<211> 366<212> DNA<213> Homo sapien

aattccgttg ctgtcggcat cttttatgta cacttgtcta ttcagacaag atcctcatga
60tttcagaaaa aatatagaga gggctcctaga ctgcttaata gaggaaagaa gtatcctgga
120aagcttgcta agaacgttct agagccacaa catgattgta ggccaagggc ttgtttttgt
180gaccttgatc taagataatg ccatggttga ttgtatgttg gaagaatctt tgattggaat
240ttggagtaat attaaggtag tttgtctttt ctgcagacat ttttaggagt ctttttgtgt
300gagtgggtgt ggagtgtata gttttgttga acctagttaa attctgaata tcttccact
360aaaagc

366

<210> 2335<211> 364<212> DNA<213> Homo sapien

ggcacgagac ccgggaggca gagcttgctg tgagccaaga tcaagtcact gcactccagc
60ctgggcgaca gactgagact ccattctaca aaaacatgac ctggacaggg ctgaaccgga
120aaaaaattcc ggggggcttt tcaaaaaaga tctttagggg gaaaaaatt ttttaacca
180agacccaaac ctaaaacccc caaaagggaa aaccggacaa acttggcccc tggtttttgt
240gggaaaaaca accttccggt taaaaacca aatggggggc ggggggtttt ctgcccggaa
300ccccaccat ttgggggggc aggggcaacc ccccttttg gcctaggagt gggaaacccc
360ccgg

364

<210> 2336<211> 147<212> DNA<213> Homo sapien

cgcgtgctac gttcccatat ccaaatttgg aagaaaccac aaggctgcct ctgactgagg
60ccacaaatgg gcacatagtt taccttact ttttgaaaac catattaaga ttgagtcagc
120actccatag actgcttgat gaccacn

147

<210> 2337<211> 359<212> DNA<213> Homo sapien

actactgctg cgagaatacc acagaagggt ttcgcggcaa gaatatacgg aaggggaggg
60gctagatgca agcagagcac atccccgtt taaagcacta tgggtggctt acagtgcgt
120tagaaaaaag agaaattctt tttatacaat ataagttcct gcagaatgca gacattttc
180acttctccag gctcttttca actcctctcc tactagcttc tgtatttaag ccacattaga
240cctttcttca gttttttata tagactttgt tgcacacac ctcagagatt ctgtgcatgt
300tcttctcctt gcctagaaag gatcgtccct ccactttcac caactaatcc cttctcacg

359

<210> 2338<211> 144<212> DNA<213> Homo sapien

tcattttgat aactagcttt ccaggtggac ttagccatag gaaaatatta ctaatgtaat

60ttaacaaatt gctgcatgta tttcatttaa aaatatgctt aaaatgtcct aaaacaaata
120attatctccc taagaggatg catt

144

<210> 2339<211> 342<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggacc ccctaccccc tctaagggtc tcaccaattg
60ttctttagcc agagactcct tctaccacgc tcgccagcca cctttgtgca gtggagggtg
120agaatgcccc aaggatgcac gtaatggacc agcctttcca gcatttggct ttggctccca
180gaaattttga gctttggcaa atcttacaag ctctgtgagc ctctgtttcc ccatgttctc
240atattcagag gtgctgggct ggactccac tgccagtcc ctgagctgtg cagggactcc
300tgctctgcat ggtttgtttt ggtgctcatg ggaccataag tg

342

<210> 2340<211> 188<212> DNA<213> Homo sapien

cccaggtag cgccagcgcc aagatactgg agagcaagtg tccagcccca gcagccacc
60cgcccttcac accaccaccg aggacagtgc aggggtgcac actgagttct aggccagtgg
120gtccctgact gctgcacatg gcacaggccg ttccttccg gacccaggca ggctcagctc
180tgggggagg

188

<210> 2341<211> 460<212> DNA<213> Homo sapien

acaggggcat tggaannnnc ctcttgctct tttgtgacga tcccatcgat tctaattccg
60ttgctgtcga aatgacttat tttatatggg atgatacaca taggttattt gcaaatacta
120cactatttta tatgagagac ttgagcattc gcagatttcg gtatccacgg gaggtcctgg
180aaccaatccc ctatggatac caagggactg ctatgtatta caaagccaca tgctttggaa
240ttacttcagt ggtccttcta ttttcattaa cactgatatc tagtttaata tgaaaaggaa
300cttgaaatct tgaaaattag aacatcgta ttttttcta cttgcaatgg aaatctatt
360ttgctttttt gcttctagga aaatattctg attatgatat gtgatatgtt ggctactcaa
420agtcagaact tttcaaagta atcagtaaat tgaatcaaca

460

<210> 2342<211> 465<212> DNA<213> Homo sapien

ggtcttcgta ntttcgnnnn atcccatcga ttcgtctgca gtaaagtatt ttcacttctt
60ttcttcttct caatcttctc aatcacctgc cctagaatc tgagtggctc taacctagac
120ctcttgctgg ccgagattta tacaatgtgg ttgttttcc ttatcttgac taatcttccc
180gaatcttaca ttgtgcctta atttgacat ctgcacctct aatgtctgcc tatattatct
240ccttggtcga caaggacctt gtgggagagc tgctcacatc tcaacatgta aataaaatgt
300gcctttgggt caacacagga gaggtgattc caacyttaac aagttgggtc aggaaactgt
360cagctgttta tttttatttc aatctcttct gttaaactat aacacactga ttgagcaact
420aaacactaat atgcagagag gaaaaaaca caaaaaatat attgg

465

<210> 2343<211> 466<212> DNA<213> Homo sapien

gcctacgtag nccccgnan gttnnnatag attcccagtc cggtgtgtgc gcaacattca
60gggcttcac gaagagtttc ttcagatctt cagctccttg ctgcaggaga ggaggtcct
120ccgggactat tatgcactct tccccgaggc cgaagacatc agcttgctgc agcaggcctc
180atcagtcttg gacgagacgc ggactgccta catcctccag gcagtcgaga gtgcatggga
240aggggtgcac agacggaaaag ccacagatgc taaagaccca tcggtgattg aggagtctaa
300tggggagcct aacgggggtca cggtgacagc agaggcagtc agtcaagcat catcacatcc
360ggagaactcg gaggaagagg agtgcattgg agcagccgag gctgtgggac ctgccatgtg
420tgngtgga ctggactctc tcatctccca agtgaaggac ctgctg

466

<210> 2344<211> 453<212> DNA<213> Homo sapien

cggtgctgtc gccagggtac ttctccgttg atgtgaataa tgtggtactc attttaaatg
60gaagagaaaa agcaaagatc ttttatgcca ccagtggtt actttatgca caaaatttag
120tgcaaattca aaaactccag catcttgctg ttgttttgct cggaaatgaa cattgtgata
180atgagtggat aaaccattc ctcaaaagaa atggaggctt cgtggagctg cttttcataa
240tatatgacag cccctggatt aatgacgtgg atgtttttca gtggccttta tgagtagcaa
300catacaggaa ttttctctgt gtggaggcaa gttgggtcaat gctgcatgat gagaggccat
360atttatgtaa tttcttagga acgantttag gaaaatcatc cagacaggca ctaatgaaca
420tttttgaaaa agattggaaa cgatagcggt gtt

453

<210> 2345<211> 423<212> DNA<213> Homo sapien

tgcgttctttt tgcggagccc gtcgagtcga attccgttgc tggccgctta ttactttcat
60ataagaacat tacagggttg gtttttcttg catgggtggc cacctaattgt ttaaggagtt
120ctgggtacctc ttcctattct ttattctatt cgattccatt tctgtgattc ttttattacc
180actgatgttt tgcgatagtt aactatgata aatttaactg atcatgattt atcttctaga
240gtattttaaat aatgtatgag tgaccaccca attccaacat taaaagtgt atctgggccc
300ataatttata gtgaaattgt atcaaaacat agggaaactg tattactggc cattttgaaa
360atatgaaact tgagtattga aaatattcca acatggaatg gcagtattct aatttcagtt
420agt

423

<210> 2346<211> 425<212> DNA<213> Homo sapien

ggcacgagag aaactggtgc tagattttat ggatattcaga ataggaagtt atttgttctg
60aatcttcagg tggttttcct tttctcttaa atgttaccac tttcctgcaa atttccatcc
120ttaatatgtt agactgttca tatagataca ttgtgtttac aacaaggaaa aaatgccacc
180atgtgtctcag aacttttttg acaggatttt tgagaagagt tgcggaacat tctggtaatt
240tgtagagatc tgttggcatc tctgcttcac aaactggaaa aaatcatttg taagtcttgc
300taattacttt tcttggagaa gaaaaaaat gctacagctg caacaaatgt atagttttca
360aaaagaaaaca acttttttgc tccccagtt attcttagtt tccagccac gccttgcat
420agcgg

425

<210> 2347<211> 429<212> DNA<213> Homo sapien

nnnatcggca cgagattttg cgtgaattat ggggtgaaga ccttgccac ttaggttttc
60tatctctgtc cttgatcttc tttgcaaaa tgtgagtata cagaaatttt ctgtatattt
120caacttaaga cttttttagc atctgtatag ttgtattca atttgagacc tttctatgg
180gaagctcagt aatttttatt aaaagattgc cattgctatt catgtaaac atggaaaaaa
240aattgtgtag tgaagccaac agtggactta ggatgggatt gaatgttcag tatagtgatc
300tcacttagga gaatttgcag gagaaagtga tagttttattg ttttttctc gcccatattc
360agntttgttc tacttctcc ctttcttcc agatgataac atcacatctc tacagtaagt
420gcctctgcc

429

<210> 2348<211> 425<212> DNA<213> Homo sapien

cgttgctgtc gcagctgtgt tcaactacca ggtacctgca gaaggcctac agggtgccag
60gcacttcttt aatgtgttct ttctttatgt gattatttga ttaattctctg cctccccac
120tagactgtaa gctccctgaa ggcaagaatc ctgtgcttat gctcaatatt agctctccct
180tggcacagag taggcactca acaaatgtc cccaaaaggc tgagtggctg actgaattaa
240gtaccagtga catgcagtaa ctgctaagat agatgagcca tctgtatgct ctgacagtta
300cagactgaat aagttggaga ctccctaaa ggggtggcatt tccccagggt aacaacgcaa
360agctcangtg tgggaagggt ccaggggcag ggggtcaaaag gggctgaggc tgaggggggt
420gcaaa

425

<210> 2349<211> 423<212> DNA<213> Homo sapien

ggcacgagga ttaaaatcat acaaatggtg gctgttctga gaatcagtct gggatttgat
60tgctttttcc agtgactggc tccaggccat gtctaatagac cagctcgatt cctgtgacag
120ttcagagagc aagtgaaccc aaccaacaat gtcgtcatct aagccctgac cctagccagg
180gactcccatg ctgctgttgg ctccatctct ccacactgcc tctttctttt caactttttg
240cccttctctt ctttaaagct attctacat tgcttttatt tcttctctct tcacctccaa
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360gagatggacc tgtctctata cagcagtaga tgattgataa gtgaggaaac tgaggcttac
420aga

423

<210> 2350<211> 425<212> DNA<213> Homo sapien

cggcagcggg gggcgtagct ccacgcatt ttatgtttct ggcgagaagg gaacggagtt
60ttcatcaggc agattggttt ttgtcgccc gtcctccacc gtttcttcca ggacagcacc
120tagtcgtggc cggaggagtc tcagagctgt cagaaagaat aagactgatt ttatgggaaa
180attaagcaga tgctccagtt tgagaaacct ggatctgca tctgtttgtg gtaccagcat

240caagatgatt tatggtaata agatataaaa ccaaggaaaa taacctaaag tctgaaaaag
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 360gtgcagtggtc ttgtgcctgt aatcccagca ctttgggagg ccgaggcggc cggattgcct
 420gaagn

425

<210> 2351<211> 429<212> DNA<213> Homo sapien

ggcacgaggg acttcgggtct ctgcggggac gtccacgtgc ggctgcgcca gcgcattcatc
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 120acgctggggc agcaagccag ggtttggttg gtgcggtgctc tgctcaacct gctggtggtc
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 240caggagatgc cccttggtcca agagttgcca ctgctgaagc ttggggtgaa ttacctccg
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 360ctggagggtc acactcggag gcgccagatc ggttttattc ttgtcaagac cgtgtgtctt
 420tccttcgg

429

<210> 2352<211> 428<212> DNA<213> Homo sapien

cgttgctgtc gaaaaaagag aagttcgtt tatggacaga ctctgtgaat gggaatttgc
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 120attgtgcctt ggagagttgt acacatgttg aaatgtaatc tgggcttacc tgatccattt
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 360tttttctctt agctatttat atatgcagta ctctcagtca tatgcagaaa tactttttt
 420tttttaag

428

<210> 2353<211> 432<212> DNA<213> Homo sapien

ggcaccttgg ctccccgga ggaggtggac acccatccag aggcctggct caaggtgacc
 60tcaccttcac catgggcttc ctgggtgcgc ggcctgagc gcaggttgtt ttgtacatat
 120tggaatatgt gttaacttat gcccgcac ccaactcaca cggaagcacg ggtcttgtct
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432

<210> 2354<211> 437<212> DNA<213> Homo sapien

cgttgctgtc gggggaccaa ggccgggact gctgtggtga aggtccggga ggctgagtaa
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 120aaagagctgc aggtgcact cactgctgat gagaagtaca aacgggagaa tgctgccaag
 180ttacgggcag tggaacagag ggtggcttcc tatgaggagt tcaggggtat tgccttgca
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437

<210> 2355<211> 431<212> DNA<213> Homo sapien

ggcacgagac aggttctaaa gaagtaccca cgctctggt gcatgaccaa gccccctagc
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 120ctgaagctac atgggaagtg tgatgacgtc atgcggctcc tcatggccga gctgggcttg
 180gagatccccg cctatagcag gtggcaggat cccattttct cactggcgac tccccctgct
 240gctggtgaag aaggcagcca cagtcggaag tcgctgtgca gaagcaaaga ggaggccccg
 300cctggggacc gngtgcacc gcttagctcg gccccattc taaggggctg gtttggcagg
 360ggcttgacaa aacgcacaaa aaggaagaaa gtgacgtaat cacgtgctcg atgaaaaaa
 420gtgcacttt t

431

<210> 2356<211> 427<212> DNA<213> Homo sapien

ggcacgagag acgctctttc ggtggctgtt gccacacgga ggcaagagtc tcctgctgaa
60taacgagctg aagaaaggac cagcgctgtt tctgttcata ccttttaac cctggccga
120aagtcaccc ttaatagacg agatcacgga agtggccttg gagtacaaca actgtcatgg
180ggaccagggtg gtggagcgtc tccttcagca cctgcggcgg gtggatgctc cagtgtgga
240gtccctggcc ctggaagtgc cggcacagct gccagacccg ccaacgatca cagcgtcccc
300ctgctgcaac actgtggtgc tgccccagtg gcactccttc tccaggaccc acaacgtctg
360tgaactctgt gtcaaccaga cctccggggg catgaagccg agctcgggtca gcgtgccaca
420gtgcacg

427

<210> 2357<211> 427<212> DNA<213> Homo sapien

cggtgtgtgc gccaaactcca aactgacctg ggccgaggct gcctcgtgag cctcccagag
60cccaggccctc cgtggccctcc tcctgtgtga gtcccaccag gageccagtg cccggccttg
120ccctcaagggt tttttgcttt tctcctgtgc acctggcgag gctgaaggcg aggggtggag
180gagggcccgag cacagcctca tctccatgtg tacacgtgtg tacgtgtgta tgcgtgtgtg
240tacgcgtgtg tacgcgcgtg tgtacacatg cgtggccgcc tgtggtgtgc acgtgtgtc
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360gcagtgtgtc cctcaggaac cagggtcctc cctccccttt ctgcctggtc agccccgtgg
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427

<210> 2358<211> 439<212> DNA<213> Homo sapien

ggcacgaggc ggactctaaa tgctctggac aaggatgtgc acgcggtggg caaggctgac
60ttgggagag gctccgggccc cagggtgtcg agggctaaag gcccagggca gcagcgtgcc
120ttgggggctg gaggaattcc aagaaggttg cagtggagga ccccgcaagg ggaccgccct
180ctggggaaaag atggagcacg caggggccag acaccagggt gtgtagggca ggggtgtggg
240actcaccggg ggccccctgt tcctggggca actggccac cagccctgcc aggtcagggg
300gtttcctgag tgtgcaaagc ttctctctcc ttccttgccg attcttcctt tiacacgtga
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420cagcactttg ggagggcga

439

<210> 2359<211> 429<212> DNA<213> Homo sapien

acctacttgn nngnttgga ggatctcatc gatatacaatt cggcacgagg gatgctccat
60ccaaagtga tttatgcctac agacctggtc cctggatttt tgcccagagat gattcctacc
120accttactac tgacgaagac accatttcca gtggaccact gtgaccagg aggcattcag
180ccatcatgat gtggccttta cctccactcc tgtctgttc taccagatt cagcacagcc
240ctttatagt aagacagagt cctcaagcca aatagctaaa gctgttttat cacaacaaag
300gcctagtttg ttccatgagt gtgcatttca tttcttcagt taaagccttc agagacacac
360aataaatttg gaccagggga ttttttagtt attaatgctc tctgaagaaa ggcaacatct
420ttttgagag

429

<210> 2360<211> 424<212> DNA<213> Homo sapien

gttcggcacg agcctacaca tccccggagg ccgccacaag ctgaacccca gccagaacgt
60ggcggtcagg gaggtctctg agaagccttt caggttcatt caggggccac caggtacagg
120gaagacgac gtgggcccct acatcgtatt ctggtttcat aatcaaacc aggagcaggt
180gcagcccggga ggcccccccc gtggggagaa gcggctgggg ggtccctgca tcttgactg
240cggccccctc aacaagtcgg tggatgtcct ggcaggactg ctcctgagaa ggatggagct
300gaagccccctc cgtgtgtaca gtgagcaggc tgaggccagc gagttcccag tgccgcgtgt
360gggcagcagg aagctgtca ggaagagccc ccgggagggg aggccgaacc agagcctcag
420gagg

424

<210> 2361<211> 415<212> DNA<213> Homo sapien

ggcacgagct ggggggaggc ctatagcaca gaggtctgt cctttgaggg tgactgaacc
60aacaggggaa agcagggcat ggtgaaaata gccatggatg gccaggctgg tctcgaactc
120ctgacctcaa gtgatccacc cacttcggcc tcccaaagt ctgggattac aggcgtgaac
180cacctcgccc tgcaggaggt gattttaatt atgaaccatg attaagggaag gcaatgacca
240cttatgattg ggggtataac gtgtattctt tctaatact gtgccttggc tcttgctac
300ttggatcaga gagcagagag aatccttcat aaagaacaag gaaaaacagg tgaagtatt

360aaattaactg atgtaaagga cttctcctta cccctgtggc ttatatttat catct
415

<210> 2362<211> 413<212> DNA<213> Homo sapien

ggcacgaggt tagaattaaa gcttatattt ctaatcaacc catttacagt atttcactta
60gcctatacct tatttttagca tgagagcata atcttacact ttcattgctaa aataaggat
120aggctaaggg aaatactgta aatgggttgg ttagaattaa agttragaac tctaaatctt
180atgcttattt ttaaagaaaa aagttgcctc actgtcatga aatcctgtta ctttcattaa
240aaaaaaaaat cttgtaaaat ggttaaattg gataatgtaa gacataatga aggccttgag
300gcatttcata ctttaccagt ttacatttgg ctaacatact ggtaaggatt agggcttctt
360ccactattgg aaaattaaat gctaaacgtc ctaagaatta cgttgatttc aan

413

<210> 2363<211> 422<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gagagagagt tagagataga gagagagaga gagagagaga
60gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga
120gagagagaga gagagagaga gagagagaga gtgagagtgt gagagacaga gagagattga
180gagcgcccc cccctcttct tctccctctt ctttgttttt ttttttttcc cctctctctc
240tctctctctc tctctctctt ttcttttttc tctctctctga ggggtggccc cctctctctc
300cttctctctc tctcgcgcgc gcgctccttt tttttgtgg ctttctttgt tgggcccctc
360tctctctctc ctctctccct ctctcaccct tctcgtgtg tgttcgctcc ctctctcccc
420cc

422

<210> 2364<211> 414<212> DNA<213> Homo sapien

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60acatctttac aattctgatg ctttttttaa aaaactaaac ttaatatatt ccatttaaaa
120tttaaaagaaa tgggaaattg cctacggagc atattgcttt tcagatcata ggtatctttt
180ccaataactt tattgtaaat ttaaggagg tttcgttggc ccttagagcc ataccttcac
240tgacatctca tccgtttgtg ttccaaaag ctgcttttac aggtcttagc cgccgccccg
300gaggccggtg tgggcgtgac ctgcatgctt ccaccctgcy gctacgggag aagtcttagt
360aacttggatc tggagtcttg aaaaacacaa acctacaaa tgcattcttc ttg

414

<210> 2365<211> 405<212> DNA<213> Homo sapien

cggtgctgtc gcaggcacac aggtcccggg gcctcaggag aaaggctggg tcttgggacc
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120aaaaaaaaaa aaccttcggg ggcggttttt ttcgtaaaa caaaactgaa aaaaaccctt
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240gggggaagctt ttgttttttt tgaaaccctt aaaaccggga aaaaaaagt aaaaaacaa
300aatggccttt tttttatttt taaggttcag gggggggggg ggggaatgtt nnnnncnc
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405

<210> 2366<211> 406<212> DNA<213> Homo sapien

ggcacgagca cagtcagtgt taaagatgtg tatgtatatt actatacata taaattgcac
60agcggagtat acatgtcaaa tcatattaat caaaatttat ctagccttcc tttaaacaat
120ttatcctata atatggatat taggcctctt ttctactta gctccagttt aactacgtct
180aggctgatgg tataaaaaatc acatgaaatg cgcaatggcc tatttcttat tagaaacctt
240aaatggacat ataccaaatt atgagaatta taaatgtagc acaaaggata ggggtgagtc
300taaatctatt ctgtaaagat gaaagctctt attttctaaa tctattctat aaagatgaac
360tattttttta tctataaacc tctttaagg gacgcagagc attcat

406

<210> 2367<211> 406<212> DNA<213> Homo sapien

ggcacgagtg tagatctcaa ttaaagaact aaccaggat acctgaacta aagagaggtg
60gcactgagtt tccatagaac ttcaaaacaa ttggttgatt tcaacttaaa aaaaaaagtc
120attcaatata cagaaaatta ctcccctggt cagtactgtt agcccaaat aatctgaaaa
180aatttgcttct taaaaaaaaa acaatttgg aggccaggca tgggggttca tgccgtgaat
240cccagacat tgagaggtca agttgtgggc atcacttgag ccaggagtt tgagaccagc
300ctggacaaca tggggaaacc ctatttctac aaaaaatac aaaatttacc cgggcatggg
360ggcgcatgcc tgaagcccca gctactcggg aggctgaggc ggaagt

406

<210> 2368<211> 407<212> DNA<213> Homo sapien

nncccnanaa ttcttggtat tctgctgctg tgaatagggt tacttattct tttacatat
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120acatcacaag gttaatattg gtttggtga aagaattatg cagtaaagtt atttataagg
180gaacatgatg actttattca atatttttct tctttgaaac atctcattac taacttttaa
240gattattttca taatccctta tacatgagcc aatgaaatat ttgagctct acttaagaag
300catgaagtct atattataaa tctaaacaac aaaagcactt gtaacttggt tagtaaatc
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407

<210> 2369<211> 407<212> DNA<213> Homo sapien

ggcagcagat ttcttggtat tctgctgctg ggaatagggt tacttattct tttacatat
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120acatcacaag gttaatattg gcttggtga aagaattatg cagtaaagtt atttataagg
180gaacatgatg actttattca atatttttct tctttgaaac atctcattac taacttttaa
240gattattttca taatccctta tacatgagcc aatgaaatat ttgagctct acttaagaag
300catgaagtct atattataaa tctaaacaac aaaagcactt gtaacttggt tagtaaatc
360catgccttat tttccatttt tgacaccgta aagtgcattt tctgtcg

407

<210> 2370<211> 407<212> DNA<213> Homo sapien

ggcagcagac aattccgggg taaattaatt tcttagaaat gtttcagaga ataatacttt
60ctgcctcaaa agtatgcatt tattatgtat caaataaaa tttaaattta gagaacattg
120aagaaatatg agatcagaga aatcaaagat tattattaaa ttacatttct ttggtatct
180cctgagattt ctcatgtatg cttacttgtt attcattcat ttattcatca aatacaatat
240ttatctaaaa cctgctatga ccaagactgg gtgaggaact ggagacatag ctattaaaaa
300aaatagtatt tatatttata aatgatgaaa caaaaagaaa aaatagaagg tgaatcggta
360ggtaaaaaga gacaatagac taccagccaa tctcaatgtg tgaaccn

407

<210> 2371<211> 422<212> DNA<213> Homo sapien

nnnnnnnctt taatcccagc actttgggag gctgttgctg atggatcgcc tgaggttggg
60agttcgagac cagcctggcc agcatggtga aacctgtct ctactaaaaa taaaaaatt
120agccaggtgt ggtggcgac acctgtatgc ccagctactc gggaggctga ggcaggagaa
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240ctgggtggac agagcaagac tccgtctcaa agaaaacaaac aaaaaattaa aagggataga
300atataatgaa atataatttg aacttaattt atattctata tgtgtatctt cctaggcaaa
360agctgtaatt tccagagaga ccattaggaa caggtagcat ctatttttct ccattattta
420tt

422

<210> 2372<211> 168<212> DNA<213> Homo sapien

taaaggactt aaacacctat gcgcgatgat aaagagggtg ctattatagc gcttgaaaa
60taccaggaag ttgagagagt taacagaagg gcgcacgctg gattggccac aaaatcgaat
120tactgaggcc actactgatt aggacactta tggagaacgt gggtagca

168

<210> 2373<211> 410<212> DNA<213> Homo sapien

cgctgctgtc gatagatatg tatgtttgca tataggcaca tttagctgga tgaagttaga
60tttaaattggt ccaatagaga actgtgcata caattacata ggcaaccaca aatcaacctt
120ttctctgggc tatctaaaat aatcaggtac tagacaaaaa aatgacatgc tgtctgcctt
180accttttagt gatgatttgt aggaagagga aggtaggggc tggtagtgg aaaagtatga
240gaggttgtga gggaatgttc tgtatgtctg aagacaaagt ctggagattg gtgggccaga
300aggtgtgaat ctactctgaa ggacaggcaa gagtccagcc cagggaaaaa ggtgcagatg
360ggtaggattt ggggtgggtac ttgaattaaa aaaatgaatt tgcgaggcat

410

<210> 2374<211> 422<212> DNA<213> Homo sapien

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60ctggaagaaa gggggaaaaa ggagcagaga aggcaaccaa caacagctat tatagatgca
120gatttttggag gcagaccgcc tgggatttaa aactttgctc tactactttc gagccatgtg

180atcaagctaa tgaaacttta aaaaccttac tttctttaat aagtaaaaaa tgaaaaataa
240tacctgctct tgagattgct aagattaatg aaagaacgta tgagtctgtc aaatgtcctg
300gtccacagaa gggactcaat gactgtgttc cctttgttct tgctaggatg tgcattaggt
360tacagtgtag ccacttgata gcatctgaag ggatcattac cttgctatat ccaacaaatg
420tg

422

<210> 2375<211> 406<212> DNA<213> Homo sapien

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120attcaaacag agccttttct gtcctgtaga taatctacat gttttagaa ttattttgaa
180tatgtttgag gaaaatgttt aaaatctaaa tatactcaca taacttgatt attcactct
240ctgaaaagat gctggatagg ctaccaaagt tcccaagtgg tagataattc agaagacttg
300tttgaatttg gatttttttt ttttttggag gggggaaggg tataaggggg gctaaaaatt
360tgaatcctta ttatttttat ttacgggaga atttacacca tctccg

406

<210> 2376<211> 420<212> DNA<213> Homo sapien

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60acttttcaaa agcattagtt aaagaattct gattagtttg aattagaaac aaaactcaaa
120gaacatgacc taatttaaca ggtaatttg aagtgcattc gccaaagtaga agaccagcaa
180gaaaaaaaa atgggttctt aggaagagggt agtaggttgc atagtttttag ggcagggtt
240ttgccacaa ggaggaaact atacgacctg ctgcctttct tagggcctta ttattcaccg
300ataacctgtt tccttgctac tttgcttttg tgtaagcaga gttctttctg taggtttttt
360caaatgaaaa cattgcacga atatacaaga gagcagtgtt tgcgttagtg attataaact
420

<210> 2377<211> 420<212> DNA<213> Homo sapien

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60ttgataagca gaattacta ctggccagag cgacaggagt ggctaggggt tgccagccag
120tcccttttctg atgatcaagg cctgcacag caggatgcca caggatgccc ctgccatcta
180gctggaagca tcaaaagtcc ctctgtatga cccggtgttg gaaagagggt tgccaggatg
240agaaagtggg gctgcagggt gacgataaga ccacctaacc aactccccac ctccaccacc
300acaataagaa caaaactgta gggctctaaa gagaggggtt ggtttacaag ttatttgagc
360atttactagg aaytgacatg gcgatgacct ctgtacatga gttaggttca ctttcatgtg
420

<210> 2378<211> 411<212> DNA<213> Homo sapien

cccaggcact gtactaattt ctgaggattc ttttgtgac tcaaacagat atataagcct
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120tttttagttt tggaagaaag ctctgcagggt gaggagaagg acgtacgtgt gtatggtatg
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240tttttggcac cgaaagtgtg atgaactata ctttttaaga attgctagct ttgtttttct
300cttataatct aaagggaat atgtccactt gaactgaaac aactaagcac aatatataga
360acttttactt cccactcttt tgtacttagg tcagngatgt tgcaatatct n

411

<210> 2379<211> 409<212> DNA<213> Homo sapien

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120gagtcatttg ctgggcccga acctagtctt ctgtgtataa ttttaggata attgtttaag
180tggaactat tcattcagta agtagtaagt acttattgtt tgettgtttc attatgaaag
240agtggcacat gtcattaaa gatttggaat aatgaaagtc aaaacaaca aatcaccctg
300agtcccaacc ttctgtaaca taaccactct tggcattggc gtgttcttt ctagtctctc
360tgtaaacggg gtgtgtgagt gtgtgggtt aactntggtt ggctcatg

409

<210> 2380<211> 411<212> DNA<213> Homo sapien

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60gaggaaatgt gtgatgctgg tgttttgttt ggctgtttg tttgatgctg ggggttttat
120gtgtgtgacc ctttaccctt tacattgtgt aatttgaaag tggcaacaaa acctgcagta
180aaagtccttg attggcatct tcattcggat gatggagagc ctttgtggta gtgtttgctt

240atgtgaacag caggcctttc agataagaga agtggccttt ccttggtgat gaaggggtag
300agattgagcc atggggatgg tttagggtta agaattgcttt tttttggcca tcatgaggat
360ctaacaacag agtagaagga aggatgccct aggtcagcat gcaggggtggt g

411

<210> 2381<211> 417<212> DNA<213> Homo sapien

ttcaaattca gttcagtttc tggcatcaa aaaatcaatc tgttttaaga tctagtctta
60cccatgaaaa ctttaataat ggtagatc taaaacatga gttaattacc cccaaaatgt
120ttcagttttt tcattgttat attgcaaaaa accattctgg ctatatatat ttttaaaaga
180agccatttgc atgtccttta gtggtagaat agaaatttgg ttaaaattgg atgacattta
240ctttaattat cttcaaagta tgatgaattt ttcattgttg gaattgttgg tctgataatt
300tttttaggaaa caacactcca ctgagagcgc tagaatctta gaattcatct acttcattct
360cctcctggta ctctactttc ttctacaacg tcccagccga gctgaggtct gagctgt

417

<210> 2382<211> 410<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agagggatga tctagcctct gctccagaag gatctgtctg
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120aggtgacctc agcttgggct gcggtgcagg ccatgggact ggcaggagcc ggctgggggt
180acgctgtctt ttctaactt cagcattggc tcaggggcca ggtcagggt cactgactgt
240tgctataaag ggctgggtgg ctttcttccc cactgact cagcctaatt ccattgcaga
300gcacatgtag ccatggacaa cacaaggggc gtatccgtgt tccaggacag ccatattgac
360aggaataggc acgaggccag atttggtcct caggctgtaa tttcttggcc

410

<210> 2383<211> 414<212> DNA<213> Homo sapien

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60gactgttct tcacagttgt actcgtcct ttttgcttc aaattacatt ttctcatct
120ggtactgagc tccctgttaa ctttctttac tcttggtttt agcatttcca tttccttgaa
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240atttccaaac ttttactta actaagaatt gcaggcctca gcattaatgc tacctgaagc
300tttctctaatt cctcatttaa attagttctg ttacaaactt tcaagttgcc atattcttct
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414

<210> 2384<211> 416<212> DNA<213> Homo sapien

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120agtgggggag ccacagttcc agcccaggtg tctactggcc ctgctgccc cagccagctc
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240ccgggaccta caggacttcc tggggtttac cctcagagca cccatgaggt tagaatcaca
300aagcccggga gtcaggagac acagggcagc tggagggagg tctttactga ggctactgag
360gcacagcagc cccgtctaga ggcctccccg agaggcactt cctgaggagt ctgggtg

416

<210> 2385<211> 405<212> DNA<213> Homo sapien

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240aagatgagtg cttttatgcc catagtcttg tggaaactgaa agtctggata atgcaaaatg
300aaacaggtat ctcacatgat gctattgtc aagagtctaa acgatattgg cagaatttgg
360aagcaaatgt acctggagcg caggacttgg gtaatcaaat aatgg

405

<210> 2386<211> 416<212> DNA<213> Homo sapien

ggcagcagga gattttcaac acttatgggc aaatggctaa ctggcaactg attcatatgt
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120cagttcgtga ggcagcatta cagggaaaca aaactgaagc tgaaaggcac ctagtgtacg
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240ggaggggagga ggtgtgact gaagaggagc tgaccaccac actaaaggta ctgtgcatgc
300ctgctgagga gttcagagag cttaaagacc aggatggagg gggagatgat aaaaggggaag

360agggcagcct gacgatcaca aatattccca agctcanagc atcgtggaga cagctg

416

<210> 2387<211> 411<212> DNA<213> Homo sapien

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120cggacgcgtc acaacgggaa ggcagacccc atgaagactg cgctgccccca gagagccagc
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240cctccatctg gaacttccac tacctccaag agcacctctc caaccctcac gccctcccc
300tcacccaaag ggcacactgc agagtctca gtgtcttctt cgtcatccca tcggcagtc
360aagagcagtg tgggctccag cagtggcacc atcacagatg aggatgaact g

411

<210> 2388<211> 411<212> DNA<213> Homo sapien

ggcacgaggt ttccttctcc tccctcccgg gacaagggtg catatacaat gtcattgttt
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240aattattctt cataggcttt atcatcatgg gattcttctt ttatatactg attacaagac
300tgacacctat caagtatgat gtgaatctga ttctgacagc tgtcactgga agcgtcggg
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411

<210> 2389<211> 417<212> DNA<213> Homo sapien

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120tgccaagacc aagtgaaga ggccttctga cctccatcct tgcctcagcc agagcagcgt
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240gtgtttctga taaacaaaga agtgtggaag tggctgaatg agatgacca aggactcttt
300ctgggaagat gcaggaggaa gtaggtgagc tgagggaag ctggtgggga taggcctggt
360ggggcctggg gagaaggatt tgaaggctca agtcacacgg tgcaggatgg gactcaa

417

<210> 2390<211> 413<212> DNA<213> Homo sapien

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300tctccaggta gggctgtgag ctgtgagttg gatcctttt gtgaaatggt ctctctcatc
360tggcctgtca ctcaatgtgg aatagagtga gtgagttcta tgggttctaa gtc

413

<210> 2391<211> 407<212> DNA<213> Homo sapien

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120ccccgttgac tgaccgctac cgcaggcct gccagagcct ggggcaagg gagcaccac
180aggtgctgca ggccgtggag ctccagggt tgggctctc gttcagcgc tgctccctgg
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300gggagctgcg cctggcaggg aaccggctgg gggacaagt tgtggctgag ctgggggctg
360ccctgggcac catgcccagc ctggccctcc ttgacctct ctccaat

407

<210> 2392<211> 405<212> DNA<213> Homo sapien

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60aagaagccag agagagaaag cggttggaag ccaagcaac ggaagacatc tgggaaggca
120gagaccagtc tacagtttga acatcactca atgaaaggga taattccatg aatcagaaaa
180tgtttccata gccttcagat aagatgatcc ttccagagct ctatgtacat gcagatgtgc
240atgttaaaga gataaagtga tcgagacaag gactgactgg gtatagaagg aagacagact
300cctgtcttca ctccctaaatg cagttctttg gaatcaccct actgtgggtg gcgtagtagg
360gagccatcag cttaggaagaa acgtgggaga tgtgaattcc aagag

405

<210> 2393<211> 411<212> DNA<213> Homo sapien
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180tggacagggc agctatgaaa caattggacc cttgagtga ggagattcag atgaagagat
240atttghtaagt aagaagttga aaaacaggaa ggttctacaa gacagtgatt ccgaaacaga
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120ttcaagtgtc gagtcttggg gacattcgat acatcttcac agccacacct gccaaaggat
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409
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120cagaaaaacat ccgtgtttcc tcagcaaaga agaccgagga gatgctttcc aaccagatgc
180tgagtggcat tcttgaggtg gacctgggca tcgatgctaa aataaaaaat atcattttcca
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300cctccttcgt gcctaccaac atggctgtga attatgtgca gcacaacaga ttttatcatg
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410

<210> 2400<211> 412<212> DNA<213> Homo sapien

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120aaagtattct caaactagac ggtgatgttt taatgaaaga tgttcaagag atagcaactg
180tgggtgtacc caaacccaaa cattgccaaag agaaaatgca atgtgaggta aaagatgaaa
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300atggacagta cccaatatgg atgaacaaa ggcaaagaaa aaggctgaag gcaaagcgag
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412

<210> 2401<211> 405<212> DNA<213> Homo sapien

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120agacccccgcc ttctcgggtc tgcagaggggt cgggggcgtt gacgtgtcct tcgtgaaagg
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240tcttgtggat ggaaacgggg tactccacca ccgaggtttt ggggtggcct gccaccttgg
300cgtccttaca gacctgccgt gtgttgggggt ggccaagaaa cttctgcagg tggatgggct
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405

<210> 2402<211> 421<212> DNA<213> Homo sapien

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120atatgtatag gcaactattaa aggaatttga gcagttaac aggaggctaa atgaagtttc
180taagagagtt cgcataccct tgctgtgtc taatatactt tgggaacatt gtatacgatt
240ggctaatacga actattgtag aaggatatgc caatgtcaag aaatgcagta atgaggtctg
300tgccctgatg caattggatt ttcaacagtt ttaaatgaaa cttgaaaaac taacagatat
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420g

421

<210> 2403<211> 408<212> DNA<213> Homo sapien

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120ggaattgtta caaaaccaat caaaggagct caaaaaggag gagcagctgg tttctttaa
180ggtgttgga aaggtttagt aggagcggta gcaaggccaa ctggaggcat catagacatg
240gctagcagta catttcaggg gataaaaaga gctacagaga cttctgaagt ggagagtctg
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408

<210> 2404<211> 411<212> DNA<213> Homo sapien

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120aattactgcc tgacgtgcgg cagtgcacaag acgctgaagc tgtggaaccc gcttcggggg
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240gacaacagta gtctctgctc cggcggcggg gacaaggcgg tggttctgtg ggatgtggca
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411

<210> 2405<211> 397<212> DNA<213> Homo sapien

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60agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag

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240tgcgcacaca cagcgagag tctctgtttt ttttttgac gcgctctcgc cctctgtct
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397

<210> 2406<211> 402<212> DNA<213> Homo sapien

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60ggtacaaaaa tttagctgggt gtggtgggtg acacctgtaa tcccagccac ttgggagact
120gaggcaggag aatcacgtga acatgggagg cggagggttg ggtgagctga gatcacgcca
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240tttttgtgaa ggggtttttt ttttttcgaa aaaaatgttt gggggacctt ccgagagctc
300acaaattttg atgaacgtta aaaagcctag tttgaggcgg ggcggggggg ttatgcgcat
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402

<210> 2407<211> 390<212> DNA<213> Homo sapien

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120gtctcaaaaa aaaataaatg aataaaaaat aaaacagcaa ctcttcgaga tttcccgat
180gtattggtcc cagagaacac tgaaaaaat gtcatgttgt taacaccagt gggagtttgg
240gaaataattc cagctcttta atactctttt cagcttcaga ttaagtgaat tgagtttcac
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390

<210> 2408<211> 392<212> DNA<213> Homo sapien

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120agaaaaataa tcacctagaa actataaata gaaatgtgct gctgaggctg ggcacgggtg
180ctcacacctg taatccacgc acttgggggg ctaaggagg cgtatcacct gaggtcagga
240gtttgagaca agcctggtca acatggtgaa acgcccgtct tactaacaat aaaaaaaaaa
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360aattgctcga acccaggcgg cagagcttgc an

392

<210> 2409<211> 385<212> DNA<213> Homo sapien

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60cagaggcacc tgaaaaatga actggggaac cacactgact tccccccct tcttgattaa
120aacaacaac attgcgaaaa gtcaacctgt cactcttttag gaaagtttgc ggcattgaaa
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240ttaatgccgt gagttaacat taataactat tcctagctta gtgagctggg cttgaggggg
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385

<210> 2410<211> 404<212> DNA<213> Homo sapien

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120gttcatgacc tagcgattgc tgggaagta atattggaat tttggtacca tgagaagact
180tataaaggat ttcacagaa gttttcattt tttctaaatc ctcccctact caattttcac
240attggaaatt actcttgat ttgtagaaga ttgtctctaa aattgtggtt taactcacgc
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404

<210> 2411<211> 403<212> DNA<213> Homo sapien

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120agttttccgtt ttgcaaggcc taggtgactt tttcatggtg tttgtatgtt tagctctttt
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240ggtgaccaag tctctttctt aaagtcacaa tgactaaagt attagttgaa tttttttttt
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403

<210> 2412<211> 386<212> DNA<213> Homo sapien

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120ctccagaaat gtgcaggatg tgcattagca aattgcactg tacttttcac tccagcctgg
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240aatctgagta tcttggggccc aaatgtgggt ttgctccaat ttatttataaa agggcttgtt
300tcaaacgaat agggggcccta taggcaaacg ccttatattt tttaaaacga attttctgga
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386

<210> 2413<211> 404<212> DNA<213> Homo sapien

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120aatcttctaa atatgtaaaa tgaaagcaac agcaacagca aacacaatta tcgtattctt
180tgggagtaac aaatactggt tttcatttta aaactaagga aaattttatc agtacttaaa
240ttcaatccaa aaaagggtttt ataacacca aactgtacat ttaaaattat gctttcttaa
300ggtaaatggct agcattacct agttttagt tttcttgagc tgtaactttt tataactgaa
360tcatttcagt gatttagggc tgtctcgtag ttggggaaga gaaa

404

<210> 2414<211> 388<212> DNA<213> Homo sapien

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120cttgagtctt ctacgtttgg ggcatgcacc tcagggggag ccagcatcag tgtccagccc
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240cacgtgatac ctgtcctgcc aaacgtgtcc tgaaccata aaatccagag aaaagaaaat
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360gggccatgat ggggagaaag tttggccc

388

<210> 2415<211> 389<212> DNA<213> Homo sapien

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120atttactgca attccagcca aaatgtttca ggggattttt ttgttcgttg ttattgcttt
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389

<210> 2416<211> 398<212> DNA<213> Homo sapien

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120accatccaac ataccccaaa atgctccttt ttggttggtta tacagtttga aaaaagccta
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240ttcttaggcc aaatcctgac agtatacca ctacgagttg gtaaacactg tttttaatcc
300tgctgaagaa gagaaacgag aacaccaagt aaaacttact ataaactaca aatatttcaa
360tatttacact caatatgagt tcgacacagt agtataan

398

<210> 2417<211> 388<212> DNA<213> Homo sapien

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60ttgtaattcc taaaactaga cttaaattta tgtacatatg tattcattca tttctttatt
120ttagtttgtt gatttaagaa tattcccaca agttaaaca tgaaagtgat agttatatta
180cagatatgaa tgactaatta ttctgcccc ccacctacat cttttcccc ccagcttaat
240ggagggtttt ttgacaaaca aaaattatat atacttgcac ccagtcataa aaaagaatga
300gatcatgtcc cttgcagggc catggatgga gctggaggcc attatcctta gcagactaac

360acaggaacag aaaaccaaact actgcatg

388

<210> 2418<211> 387<212> DNA<213> Homo sapien

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120taaattgaaa cttaagttag tcttcaggct ttttaagggt ttcaaatttg aactggaatg
180caattcagaa tgtgctagaa taacatttct ccatttctcc agtgtcaaga tgggaaggca
240tacattctaa gcgtctgtat ctccatctat ttttcttttt tttttttttt tttgaaaaaa
300aaattttgtt tttgcacca ggctgggggg gcgggggtta attctggctt cttgaaaaat
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387

<210> 2419<211> 385<212> DNA<213> Homo sapien

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120tttccagcat tgtaaatgac agcaggaaat actcaatggg ccacaggaaa taattaacat
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240taaacttagt tctaacatat gttgattctg tggattagac gagtttctta gtccctctga
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385

<210> 2420<211> 389<212> DNA<213> Homo sapien

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120agtagattat gtccgaagca gttgacctaa aaactgcctt ggactgacat ttgttaggtg
180gtctaagatg ttctcttcac gctttgcaaa aaaatgagct tttttggagt ttaaattaag
240catccctctg gtgtgtttgg ttttttagcc accaaaaatt taacaaattt gataacctgt
300cacgtgtaag ttcagaaagc acttttgtct taattggtga cttgggggtt atttggtata
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389

<210> 2421<211> 161<212> DNA<213> Homo sapien

gaatgttccg gtcggtcttc agcataagct gaaatatatg catgtaaaaa ctttgacatc
60ttttttttta attttccact ttcttcttaa ctttacttct ctttttgtcc cccccccat
120cttaccaagt tgaggccaag ggagaatggt aggcacacaa c

161

<210> 2422<211> 397<212> DNA<213> Homo sapien

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60tatatcagtc atatcttggc ataatccaac agcgtactaa tggatcaagg gactattttc
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240ggccttttgg gcaaacggaa cgggaccggt aaaaacccca ttggactttc caaaaatggg
300caaagaattt ccctaaaaaa aatcttcttt ccaaggtttt ttaaatgggg ggccccctaa
360aattataccc tttttttaat taaaaagcgt tcacttt

397

<210> 2423<211> 404<212> DNA<213> Homo sapien

cgctgctgtc gcttttaata tggaatccac ctcataacaa ttaagtctaa atttctggaa
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120tgaagaccac tgctctaaat tagtgcagga aaatgctttt atttctccca tgtaacttt
180taaaactagt aatgtacca gttaagtttt gatggtttta attccactaa agaacatatt
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300cttgtgtaag attattattt cttctctata acttcaaaat agatatttca ttcaaactgt
360tcagggtgaga aacataatg gatttttttt ttttctctt ggag

404

<210> 2424<211> 399<212> DNA<213> Homo sapien

ggcacggagg agagagagag agagagagag tgagagagag agagagagag agagagagag
60agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag
120agagagagag agatagagag agagagagag agagagagag agagagacac acctctctct

180ctctccccct ctctgtgtct atatcgcgcg cgcaccccc tgtgtgtgtg tgtgtcttcc
240ccctgcgaca ctctctgtgt gctctctctc tcacacactt ccccccccc cactcttttt
300ttttttttta tacgtgttct ctttctcaat aatatatctt ttgtctgtgt gtctctctct
360ctccagacag cgctctctct cttttttaca caccctccg

399

<210> 2425<211> 389<212> DNA<213> Homo sapien

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120tttggttaagt gataggctct gcacacgtgc acggcaccat catggttccc tccctgcagc
180acttggcacg cagtgggggc tcagagcaca ggccgactga tggcctgggg ttgcagccct
240gctccgtgtg tccctgggca cttgcttact gaccacccca caggtgaaca cgggcaggtg
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360gttatggggg ctggaggggg cttttattg

389

<210> 2426<211> 387<212> DNA<213> Homo sapien

cgttgctgtc ggagacctgt aatctcagct actcgggagg ctgaggagg agagaggctt
60gagcccagga gctggagggt gcagtgagcc gagattgcgc cactgcactc cagcctgggc
120gactgagtgg agcgggaactc tgtctccaaa aaaaaaaaa aggggttttt ttaaaataac
180cacttttggg aagggtaggg gaaggtaagg ggggccccaa acaactttg tttttttaa
240tataggcggg aagggaaaaa aatggaattt cttgttttt tccccaaaaa gacaacccc
300caatttggca gggctaaaaa ccattccgcg ctttggaaa aaaagaaac ttcaacttg
360ggtttttttt ggaaccaggg aaacccg

387

<210> 2427<211> 385<212> DNA<213> Homo sapien

cgttgctgtc gaaaaaagg gggagttcat tgttgagtat gaatttaaag taaccagact
60gccttttgtc cagtggctgt cagtaattta cttcagcagg ctttttttt ttttggggg
120ggtccaataa aaacagaacc tttttggaag aaagggcctt ccagggggga ggcacccgga
180aaagggggga acctctttta ggaacccaac caaaaggaa acctggccc ggaatttacc
240cataagaaaa acggtgaagg ggttttgggt actttttaa cgcacacac acaccacac
300acccacacac acacacacat tttttctat actcttaaaa aaccgtagag ttttaacaat
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385

<210> 2428<211> 387<212> DNA<213> Homo sapien

ggcacgagcc ctttgagatt tctggctttt tgtagggacc tcagttccat tttcccaact
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120caccactacc tgacccactg gagtcaccac accacctac ccactttccc agggatgctt
180tatgattagc ttaaatactc accattctga tttgtaatgc cgccccacc ccttttttt
240gacacctggg agtttcttt tctttcttgt aagatcagca ttacacaaac aagcacattt
300ttcttattat actttatcta gaaaaccag gtgtcagtgg cagaagcatt cctgaattta
360ttagatcat tgttttgcgt gaactgc

387

<210> 2429<211> 388<212> DNA<213> Homo sapien

ggcacgagga aagggtcttc tgttcctcac actcagcttc agcataagct gtgaggccag
60aaaaaagggt agctcttcta gtatcgtgca gtgcttaaaa accgggagct ccagccgggc
120gcagtgggtc atgccagtaa tcccagcact ttcggaggcc gaggtgggag gattgcttga
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240aaccatcctg acccgccagt gctcttggtc tcctgagtgt acccaggtcc tcccagtg
300gggtgtgcacc gagcggcct ggctgatgc cctggcctgt gagctgggga ctctggggc
360ctgtgagccc ctatcgggca ggcccagg

388

<210> 2430<211> 390<212> DNA<213> Homo sapien

ggcacgagag atatttatc tcctttattt gggacgcttg tttcttcagc tcagtttaac
60tactgctttg acgtggactg gctcgtaaaa cagtatccac cagagttcag gaagaagcca
120atcctgcttg tgcatggtga taagcgagag gctaaggctc acctccatgc ccaggccaag
180ccttacgaga acatctctct ctgccaggaa aatgatgctg ctgctctatg aagaaggcct
240ccgggtgtgc atacacacct ccaacctcat ccagtctgac tggcaccaga aaactcaagg

300aatatggttg agcccccttat acccacgaat tgctgatgga acccacaaat ctggagagtc
360gccaacacat tttaaagctg atctcatcag

390

<210> 2431<211> 395<212> DNA<213> Homo sapien

gaaaaacagt agccctccta ccctgccttt accccacttt ccttgcctca cagtagctcg
60tgccaactct tggctgattt gtttgtattt acctccatgt ctcaatatga acatgttttc
120atgactattc cttgatgggt ttttgtttgc ttgttttaag acggtctcac tcttccccag
180gctgggagtg aatggcacaa tcatggctca ctgcagcctc aaccttctcg ggctcggggtg
240attctccac ctcagcctcc tgagtggcta gaaatgctgg tgcacaccac catgcctage
300tagtttttgt attttttcta gagacaggg tttgccatgt tgcccaagct ggtcttgaac
360tcgggggtc aagtgatctg ccgcctcgg cctgg

395

<210> 2432<211> 390<212> DNA<213> Homo sapien

gcagccctgg ccctgcggca cgccttcacc tacaaggtct atgctgacaa gaggctggac
60gcacaaggag ctctgtgct ctaagcaacc aagaggaagc atcgaagggt cagcatcact
120gggtctctgtc gccatctccc ctccacctca taccctgtgc aatagctggt gatgtgcact
180agccctccc gccaccagaa gccctaagggtgttgaaagca gaacccatt ttttagaca
240ccccctcgcca aaaaacatag tccaggatac actttattct ctgtggaaaa agaaagaatt
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390

<210> 2433<211> 388<212> DNA<213> Homo sapien

cgttgctgtc ggtgtttcat aacattttta taagtgttgg aaactttagt cccattatat
60acttttgggg acagtgttat aaatcagaat tttacgacag ttgcagaac actgatttga
120aagcttctta tgcaaaatga gaaggggttc aaatatatta attatcatta agtattaaat
180aataggcatt agatgtctaa tgtgagtata attcatcca agccatctca gaaagtctaa
240aaggttggca gggggtcagc tgaagacctc actggagtgg gtcttaattt ttaaaaagt
300tctcactaca cttaagacat gtgacacatt cccattggta acaattgctc accatggcat
360tgtctcaaaa aagactatgg tggggagg

388

<210> 2434<211> 391<212> DNA<213> Homo sapien

cgttgctgtc gcaggagagc cgctggaagc agtacctgga ggacgagagg atcgcgcttt
60tcttcgagaa cgaggagtcc atgaaggagc tgcaacggaa ccgcgacttc ctctcgtc
120tgagagagaga tcgattgaaa tacgaatccc agaaatctaa atccagcagc gtggctgtgc
180gaaacgactt tggcttttcc tctcctgtcc caggaactgg cgacgccaac cccgctgtgt
240ctgaagatgc cttattcagg gacaagctga aacacatggg aaagtccacc cggaggaaac
300tgtttgaact tgcccagacc ttctcagaga agacaaaat gaggaagtca aagaggaaac
360acttggtgaa gcacagtcg ctgggggctg c

391

<210> 2435<211> 404<212> DNA<213> Homo sapien

cgttgctgtc gcttttttcc attgtagaaa ttatgtatat cacatctcta atgggggtgg
60ttttcaaagt tatttgaaca ttccagtggt tagggagctc ctgctttaca aggcaaccat
120tatatttttc aaaaactctt aagtcttaca agttatctc ataagaacag ccctaatttc
180ttctttccac cactttgtaa acagtaatat actttaaaat gtgtaacatt tagcaacttg
240tagctctgca tgcagtaaaa ttcaacattt tctgaattaa ttttactgt gttatgctga
300cttcatgtat tttattttca tgggctggtt taaaaatagc agaattggaa gatgaaagaa
360aagattagta catgcaaaact atagaagttt aggtagcaac ccag

404

<210> 2436<211> 393<212> DNA<213> Homo sapien

cgttgctgtc gagaaaagg gctctgctga cctgccacct tcgctgtgat gagtttctgt
60gtagcaggga cagcgaggca cggtttggat gaggacaaga tgtttggtac cctacaacca
120gggagggtgt cggtgacac cctggggtca gaccccgctc tcagcaccg tctcccaccg
180tgggctgcca cagaagctac aaggcaccg gtcaaggcca agcaaatgaa acacgtaatg
240atagctctgt ctttctaatt tccccctatt agaagaaaga acgtgaaata attctttatg
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393

<210> 2437<211> 389<212> DNA<213> Homo sapien
cgttgctgtc gtttagacgc atcacgattt tgccccgatt cccaacgtgg agaaaccaac
60ggggaaagag acggagacca acgagaacca tctcactggg agaggcgatg ctgtttgaca
120catcgctccct gtaccttcca aagccactgt cctccacac ctgggcaaca gtggcctcaa
180ccccaggccc agccctcctg caggaaggaa gaggactgaa tggagggcgt ggcaggatga
240aaggacgtgg cctcctcaaa ccatttgta aagggcctct ggggccacct ggctaagagg
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389

<210> 2438<211> 387<212> DNA<213> Homo sapien
cgttgctgtc ggtttcaaag gatactgtca tgaagcagac acatgctgac acacctgttg
60atcattgtct atctggcata agaaagtgtg gcagcacctt taagcttaaa agtgaagtca
120acaagcatga aacagccctt gaaatgcaga atccaaattt gaacaataaa gaatgttgtt
180tcacctttac gttgaatgga aactccagaa aattagaccg tagtgtgttt acagcatatg
240gtaaaccag cgagagtatc tactcagccc tgagtgcata tgactatttc agtgaagga
300taaagaatca gtttaataag aacattattg tttatgaaga aaagacaata gatggacata
360taaatttagg aatgcctctc aagtgcg

387

<210> 2439<211> 391<212> DNA<213> Homo sapien
ggcacgagac taggcaagtt gctttggcat atatcattct cattaataaa acagacttgg
60ttccagaaga agatgtaaag aaattaagaa cgacaattag atccataaat ggactaggac
120aaatcttaca aacacaaaga tcaaggctca gcagctgata gactcagcaa caggcagcca
180ggagctctga ggctcacagc tggcagctca gttccactca gtctctactt gagaaattct
240ttctttggaa gtacagcaga ggccttagag ctgatctctc taatgtatta gatcttcag
300cctttgatag tctctctgga ataagtttgc agaaaaaac ttcagcatgt gccaggaaca
360caacctcacc ttgatcagag tattgttaca a

391

<210> 2440<211> 402<212> DNA<213> Homo sapien
ggcacgaggg tactaagatg ggaaaaacta tcacgacagt ggcaccacct gatttcatga
60tgtaccatat gcagtaacac atgtttgagg tacagaattg aagctgattt ttctgcaaaa
120gatgaatttc tataaacaat cccattttta tttttatta ttaaaacaaa aatacctctc
180tttgctagag agtatatgta tgacttaaatt ttagtctat ggtttgcatt tagtcatag
240cagattgcct gtaagtctgt tcattttaac aacatacggg gctgggcacg gtggctcag
300cctgtaatcc cagcactttg ggaggttgcg ggtggatcac ttgaggtcag gagttcagag
360ccagcctggc caacatggca aaaccccgtc tctatgaaaa at

402

<210> 2441<211> 387<212> DNA<213> Homo sapien
ggcacgaggg gaagaggtgc aggagaagct gtgtttttta tctccacacg cagtatgaag
60ataaaattac atagtattac ctagacatag acagtattac ctaggtagat gcactgctca
120cctgcgccct tcccagctct catttttggt aggtgatttg ggatagggat agtgttttgg
180gggtatggggg gagtgttctc tgcctgcttt gcgtacgtgc atgcgcgcc ctgctggttg
240gcgcggggcc cctgcccttt ttctgtctcg tgccggacgg gaccggttag gcctcggagg
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387

<210> 2442<211> 391<212> DNA<213> Homo sapien
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60tcagacctca gcacctgggt cctcggggct gctgctcttg ttccggaagt ggtctcgact
120ccgcttctct ctgccatgga agccaacagt ttccaccggc gggagacctg gcacagacct
180actgtggaca gacctgaca gtgcctccac ctctgcagg cctccatggg ggctgcccc
240ctcctcagcc tctgggctcc cgggccggc cagatgggac agctccacag ggccctcgcc
300cctgtctgtg gcaggattcc caaggccgcc cctgcctggc tctccacct tccccaggac
360cctcttctc tcgtgtctgg cttcgacccc t

391

<210> 2443<211> 404<212> DNA<213> Homo sapien

ggcacgagggc tcaactgggag gtgcagctct ttctctctctt cctctaggaa ttccagaccg
60accatctacc atgactaaca acaatgaaca aagggcttag gggcaagagc tacctgcaaa
120gacgtgtcat ggaacccttc accatgcaat gccttgaact cagctctggc tgctcccaag
180aaaaggtggc tggctggggg cctggacaca agcacaatgg ggctggtgga gccactgtgc
240agagctactt gaataatcac tgggttttca tcaactcctt ttgtcataca gaccactcaa
300gggctgaagt gttggttaacc ttcatttcgg tgccaaagcc tcacagcagg tgagccaccc
360tgagatgctt gtggccacat ggtggccaca gtcagagctt tgaa

404

<210> 2444<211> 395<212> DNA<213> Homo sapien

cgttgctgtc gcaagactgg acaactggtaa cagtatgact aaatatactg agaagctcga
60agagattaag aaaaattata gatacaaaaa agatgagctt ttcaagagac taaaagttac
120aactttttgcc cagctgatca tccaagtgtc ttccctctct gatcaaacac tggaaagtgc
180agctgaggag attcaaaggc tggaaagaaa tgattctgca gcttcagacc ctgatgtgta
240aaccactgcc aggaccaatg ggaaaggaaa tccaggtgag cagtgcgcca gccctgagca
300gttcataaac aacgcaggag caggggactc cagccgctca actcttcaga gtgtcatcag
360tgggtgttggg gaactggatc tagacaaagg gccag

395

<210> 2445<211> 393<212> DNA<213> Homo sapien

ggcacgagct aagactgctg tccctccgtt gagtgaagga gatgggtatt ctagtggaaa
60tacatcgctg gctcatacac cactcaacac acctgacct tccaccaagc tgagcacaga
120agctgacaca gacactccca agaaactaat gtttcgcaga ctgaaaatta taagtgaata
180tagcatggac agtgcaatct ctgatgcaac cagtgaagta gaaggcaagg atggcaagaa
240ggatcttgat caattagaaa atgtccctgt agaggaagag gaagaattgc agtcacaaca
300gctactccca caacagctgc ctgaatgcaa agttgatagt gaaaccaaca tagaagctag
360taagctacct acatctgaac cagaagctga cgn

393

<210> 2446<211> 404<212> DNA<213> Homo sapien

gngacganaa cagtgtgcag gagactcact cccagctgct gggctcttgg gacccgtggg
60aagaaccgga agacgcagcc cctgtggccc cctccgtccc tgctcttggg taccctgagc
120tgcccacacc caggagagag gtccagctctg aaagtgccca ggagccaggt gcaggccggg
180gaccccttgg ggtgaggggt ggggcagggg agggctgggg gaccccgacc ttccatggcc
240catagagggg gggggccagg gtgtggggac atttcgcagg cctgtcctcc taggaggggt
300cagtcagacc gagggccaga gggcgtgggt ggttctttag cccccagag ccagggaatg
360ggaggcgcag ctgcggcggc tgcaggagga gaggacgtgc aagg

404

<210> 2447<211> 402<212> DNA<213> Homo sapien

ggcacgagag gagcgctact ttgagccact ggtgaaaaaa gaacaaatgg aagaaaagat
60gagaacatc aaagaagtga agtgccgtgt cgtgacatgc aagacgtgcg cctataccca
120cttcaagctg ctggagacct gcgtcagtga gcagcatgaa taccactggc atgatggtgt
180gaagaggttt ttcaaagtgc cctgtggaaa cagaagcatc tccttggaac gactcccgaa
240caagcactgc agtaactgtg gcctctacaa atgggaacgg gacggaatgc taaaggaaaa
300gactgggtcca aagataggag gagaaactct gttaccaaga ggagaagaac atgctaaatt
360tctgaacagc cttanataac ccgaacttca gacattntcc cn

402

<210> 2448<211> 392<212> DNA<213> Homo sapien

cgttgctgtc gggccacctc atgcccaccc cggccatcta gggtcagcac aaccagatg
60aggccgctga agggcaccgg atgcccagga atcaccacct ggtaccagaa gcgggtgccag
120ccagcaggtc ctatgcccac aacttgggtg aggaacacag ggctgcccag cttcattcgt
180ggcacagca actgcagggt agcccagacc ccttggaaac ctaacttgtc ctttgccaaa
240gccaactggc tgccctctgg ctgtggggac cgcaagaagg gaccacaag ctgctggcga
300agtcgctgct tcaggtctgg cttgagccac tccacagcca cctgtctccc acagaggtgt
360gactgcccctg taggaaaaat gcaagacaaa gg

392

<210> 2449<211> 402<212> DNA<213> Homo sapien

ggcacgagag aggccttaaa ctctgggtgtt gactactact gggaccagct gaacgagacg
60gtcttctactg tccattccaa cagcaggagc agcgagcggc ctggaaccag cagagccaca

120tggaggacag acagagacat ggggctgatg aatgccattg ggcttcagcc cgggaaccct
180gccacctcag tgacatctca gggcaccacag actctggccc ttcagctgca gaatgccgaa
240acacagactg agagggaggt gccggagcca gggacagccg cctcagggtcc tgggtgaagg
300gaggggttcag agtatgggtgc cagtggagaa gatgcgctca gcaggatcca gaggctgatg
360gcggaggggcg gcatgacagc cgtgggtgcag cgggagcaga gc

402

<210> 2450<211> 393<212> DNA<213> Homo sapien

catagtctct aaggcatgac cattctgtcc tgtggtaacca ggctggacta agctcccatt
60tctttaagcc atgctgtccc ctgcaggagc ttccaagggtg gagctgatga gcaatagtta
120tgagtcattg gagggagacat cccaaaggcg ccagctcccc tctgccctaa actgaaatta
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240ccaccttcac ccaggagacc ccaggaggac catggcagag ccggagccct cttttttttt
300ggctgctttt tattttatta ttattatact tgaagtggta gccctctttt aaaaaccaa
360tgagaatagg ccaaagaagc caatcgtctt tgg

393

<210> 2451<211> 392<212> DNA<213> Homo sapien

ggcacgaggc cctgcgcatg ctgaaataac tggaaccag cctctcctcc tacaccggcc
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120tcggagggtg cagagacac agaacttggga ggggtgtgca cgctggcagg tggcctctgc
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240cgcgctgcaga cacagctctt ccggagcagc cttcaccttc tctctgggat cagtgtccgg
300ctggccgacg tggcatttgc tgaccgaatg ctcatagagg ttgaccccca cagggtcacg
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392

<210> 2452<211> 404<212> DNA<213> Homo sapien

ggcacgagag gacttgcccc atgtgcaaat gtgacatact caaagctttg ggaattgagg
60tggtggtga agatggatca gtgtctttac aagtcctgt atccaatgaa atatctaata
120gtgcctcctc ccatgaagag gataatcgca gcgagaccgc atcatctgga tatgttcag
180tacagggaac agatgaaccg cctctggagg aacacgtgca gtcaacaaat gaaagtctac
240agctggtaaa ccatgaagca tattctgtgg cagtggatgt tttcctcat gttgacaacc
300caacctttga agaagacgaa actcctaate aagagactgc tgttcgagaa attaaatctt
360aaaatctgtg taaatagaaa acttgaacca ttagtaataa caga

404

<210> 2453<211> 394<212> DNA<213> Homo sapien

cggtgctgtc ggaaggcaca ggcttttatt tatcccgat ctgctctcct gaaataattg
60tgagtcattg cctgaaatgc cggaggacat ggagcacgag gaacttaaca tccctaatag
120gaggggttctg gttactgggt ccaactgggt tcttggcaga gctgtacaca aagaatttca
180gcagaataat tggcatgcag ttggctgtgg ttccataaga gcaagaccaa aatttgaaca
240ggttaatctc gtggattcta atgcagatca tcacatcatt catgatttcc agattactga
300cagccctgtc ctaggagcac aacgttcgag aaatgctcaa cttgactgct ccaaattgga
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394

<210> 2454<211> 396<212> DNA<213> Homo sapien

cggtgctgtc gccatattta gccatggtgt ctctatagg gtcagacatc atgtgcccag
60acctagggtc aggaatgtca tatttttctg ttaaaatcat tttatttctg tgtatcttac
120cttttaaatca ttgtggttta ctctgagatt ctgtagtcc aatattgtat cattgtgctg
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240ctttatgttc ttgcaactg ttccattat gagaacgctg tgctatttac aaggttacat
300ttttcttggc caggcgaggt ggtcatgcct gtaatcccag cactttggga ggccaagggtg
360ggcggtatcac ttgaggtaaa gagttgagac cagcct

396

<210> 2455<211> 393<212> DNA<213> Homo sapien

ggcacgaggc ttattgagga aatccagaag gaggtgaag aggaacagaa aagaaagaat
60ggagagctgc gatgtgaact gcccctcccc tcgcatcccc caggccacca acggcagtc
120ttctgccttg tccatggcat aggccataga ccaggctcct gctgtcaca cctgggctc
180tcctcgagc cgaccttggt gtagcaaggc agccgagagc atctccctgg aggggccac

240ggttgggcca agggcagagg gggctgcacc tgcgggcctg ggaagcattg ctcaggggtg
300ggggctggga ccatggcccg cagaggcact gccacagctg tgagggccaa gatgctgtcc
360cccatccaa aaccctgctg ccactgcagt gag

393

<210> 2456<211> 392<212> DNA<213> Homo sapien

cgttgctgtc gcctcttctg atgtgcatag taggctaggt gttcccaggc aggatagtaa
60aggcctctac gccgatactc gggagaagaa atcaggtaat ttatggactc gcctaggatc
120tgcacccaag accaaagaaa agaatacgaa gaaagtggat cacagggcgc ctggcgctga
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240tcgccaaaag aagagccgct gttaccagca cccttttccc aagaaaagtc aattcccagg
300tgcttattgg acatccttcg agggggaaga ggaggggaagc ggccagctca cccttcggg
360accctagtgt ggggcgaatc tcacggacct ga

392

<210> 2457<211> 401<212> DNA<213> Homo sapien

gggacgaggt ccagcccgtc tgagcttcca gcctcccctg caggtggcag cgctcctgtt
60ggcaagaaat tggagaccag cagaaggcct ccatctggaa ctccactac ctccaagagc
120acctctccaa ccttcacgcc ctccccctca cccaaagggc aactgcaga gtcctcagtg
180tcttctcctgt catcccatcg gcagccaag agcagtgggg gctccagcag tggcaccatc
240acagatgagg atgaactgac tggaaatcctt aagaaattat cacttgagaa atatcagccc
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360aaggagctgg gaattaagac agatgggtcc aggcagcaca t

401

<210> 2458<211> 403<212> DNA<213> Homo sapien

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120ttgcatcagc tactaaagaa tgagaaagat gaggtgcaaa aattacaaaa tatcattgca
180agtcgagcta ctcatataa tcatgatatg aagagaaaag agcgtgaata taataaactg
240aaggaacgtc tacatcaact tggtatgaac aagaaagata agaaaatagc tatggacatt
300ttgaattatg tggggagagc tgatggaaaa agaggctcct ggaggactgg taaaactgaa
360gccaggaatg aagatgaaat gtataaaatt ctcttgatg att

403

<210> 2459<211> 399<212> DNA<213> Homo sapien

ggcacgagtg actattgaaa atgcttagaa tgaaaaaaat gaaaattctg acctaaaaca
60gcaaatcagt agtttgacaga tccaagtgc ttcacttgca cagtcagaga atgacttgct
120gaattcaaac caaatgctga aggaaatggg ggagagatta aaacaagaat gccgaaattt
180tacaagccaa gctgaaaaag cgcaactaga agctgaaaag acattggaag agaaacagat
240acagtgggtg gaagaaaagc ataagcttca tgagcgtatc acagacagag aagaaaagta
300caatcaagct aaggagaaac tgcagcagc tgcaattgcc cagaaaaaga gaaaatctct
360tcatgaaaaa aaattgaaaa gactacaaga gaaagtaca

399

<210> 2460<211> 397<212> DNA<213> Homo sapien

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120tcactcttaa ggctgctaaa agtcaatcca tgcattgaat tgcttggttg agtagatatt
180aatgaggata aattacgatg gagaggggat tcgtagctc ctttctggg ggattttctg
240aaacctcggg atctgaattt gaccatcaca ttgtatcatg gctccgttgt ggagagagac
300tctcgtttgc ttggatttga cttgataacg tgtattgaat taatagaaca tttggattca
360ggtgatctgg ccagatttcc tgaagtggta tttgggg

397

<210> 2461<211> 386<212> DNA<213> Homo sapien

tgcgtttcca acagaaatta aggtcgatgt gtgcaaaaga gtaaatctgg acattactac
60tttaatcaca tatgtatctg ccctcagcta tggaggctgc cactttattt tcaagagaa
120agtgtcaca gaacaagcag agcaagagag gaaagagcag gttctacctc agctggaggc
180ctttatgaag gacaaggagt tgtttgcttg tgaatctgct gtcaaggact ttcagctcat
240tttagatacc ttangaggac ctggggagag agagagggcc actgtgttaa ttaagcgaat
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360taatagccgc tcattaacaa tttttg

386

<210> 2462<211> 392<212> DNA<213> Homo sapien

ggcacgagcg gtcgaggagc tgtggccagc tttgggaggg ccggccccgg gatgctacac
60acaacccagc tgtgcctatg cggacatcac gtcgccatc aagtttctgt ttgagcgtgt
120ggagggcac tccagggtta ccatcattga tcttgatgcc catcagggca atgggcatga
180gagagacttc atggacgaca agcgtgtgta catcatggat gtctacaacc gccacatcta
240cccaggggac cgctttgcca agcaggccat caggcggaag gtggagctgg agtggggcac
300agaggatgat gaggacctgg ataagggtga gaggaacatc aagaaatccc tccaggagca
360cctgcccagc gtggtggtat acaatgcagg ca

392

<210> 2463<211> 385<212> DNA<213> Homo sapien

ttgagaagat cctcagcact cttgttaaag ggacacgcag acctgtgacc tgcaagattc
60gcatcctgcc attgctgata cctctccat tctgtcata gccaacggag gatctcatga
120ccacatccaa cagtattcgg acatagagga ctttcgacaa gccacggcag cctcttccgt
180gatggtggcc cgagcagcca tgtggaaccc atctatcttc ctcaaggagg gtctgcggcc
240cctggaggag gtcattgcaga aatacatcag atacgcggtg cagtatgaca accactacac
300caacaccaag tactgcttgt gccagatgct acgagaacag ctggagtcgc cccagggaag
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385

<210> 2464<211> 386<212> DNA<213> Homo sapien

ggcacgaggc cggtttgccc cttctttgta tgagagtttc atccgccctg aaatcttccc
60ggtcgtaaat aactcctcag gtccctgcct gcacagggtt tttcttagt ttgttgccca
120agagtacacc aaatgtgaca tcctttcacc aatatagatt acttcatacc acattgtcaa
180ggaaaggact agaagaattt tttgatgacc caaaaaactg ggggcaagaa aaagtaaat
240ctggagcagc atggacctgt cagcaactaa ggaacaaaag taatgaagat ttacacaaac
300tttggtatgt cttactgaaa gaaagaaaca tgcttctaac cctagagcag gaggccaagc
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386

<210> 2465<211> 391<212> DNA<213> Homo sapien

ggcacgaggc cggtttgccc cttctttgta tgagagtttc atccgccctg aaatcttccc
60ggtcgtaaat aactcctcag gtccctgcct gcacagggtt tttcttagt ttgttgccca
120agagtacacc aaatgtgaca tcctttcacc aatatagatt acttcatacc acattgtcaa
180ggaaaggact agaagaattt tttgatgacc caaaaaactg ggggcaagaa aaagtaaat
240ctggagcagc atggacctgt cagcaactaa ggaacaaaag taatgaagat ttacacaaac
300tttggtatgt cttactgaaa gaaagaaaca tgcttctaac cctagagcag gaggccaagc
360ggcagagatt gccaatgccca agtccagagc g

391

<210> 2466<211> 397<212> DNA<213> Homo sapien

ctccagaata ttattaagac tcttagggtt cctctcagtt tgaagtattc ctgcccttct
60gaaagcacat ggaaactagc agtatcctct ctccctcagag ttctttctat tgggtacct
120gttgcccggc agcatgcttc ttctggaaaa ttgacagta tgtggccaga actagccaat
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240tttcaaagaa atgaaaatat tgatgtcgag gtagtccaac ttatcagcaa tgagatacta
300ccttatgccca attttattcc taaggaattt gttggtcaaa taatgacaat gcttaacaag
360ggtcaatac attctcagtc atcttcattt acagaag

397

<210> 2467<211> 397<212> DNA<213> Homo sapien

ggcacgagaa agctgggcgt gaatttccag aggaagatgc agaacaactc aagcatgtta
60ctgaacagca aagcatggtt cagaaacagc tagaacagat tcgtaacaa cagaaagaac
120atgctgaatt gattgaagat tatcgatca aacagcagca gcaatgtgca atggccccac
180ctaccatgat gccagtgctc cagccccagc caccctaatt tccagggtgc actccaccca
240ccatgagcca accaccttt cccatggtgc cacagcagct tcagcaacag cagcacacaa
300cagttatttc tggccatact agccctgtta gaatgccag tttacctgga tggcaaccca
360acagtgctcc tgcccacctg cccctcaatc ctactag

397

<210> 2468<211> 390<212> DNA<213> Homo sapien

ggcagcagggc agccttctcc actcttccct cccttgaggc ttcgcccagt acctttgccc
60tcagggcagg aaggggaata tgccttgga ctgaagcaag agctacgagg agccatgagg
120cagctcccct acttcatccg gccagctgtc cccaagagag atgtggagcg ttattcagac
180aaatatcaga tgtcagggtcc gattgacaat gccatcgatt ggaaccctga ttggcggcgt
240ctaccccggg agctaaagat ccgagtgcgg aagctacaga aggaacggat tacaattctg
300ctccccaaaga ggccccctaa gaccacagaa gataaggagg aaacaatact gaaactagag
360accctggaga agaaggaaga agaagtaacc
390

<210> 2469<211> 387<212> DNA<213> Homo sapien

ggcagcagga tgactcttgc ctccattggt ggcctcgctg ctgctctaca actctggggc
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120gtgggtatgg aacagctggt acagaatgcc accttccgct gcactctggc taccctccta
180gcggtgggca acttctcaa tggctccag agcagcggct ttgagctgag ctacctggag
240aaggtgtcag aggtgaagga caggtgcgt cgacagtcac tgctacacca tctctgtcc
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360cgtgtgcca aggtggactt tgaacat
387

<210> 2470<211> 383<212> DNA<213> Homo sapien

actaactttt tctaagagaa attgattcct gttttgtcat ctgatgcaat ttgctcttat
60aaagagacat ttcataggt tcagagtaac tcacctccat gggctgacca aaggcttttc
120taatttttgt tactgatgag atgaaacctt tttgtaagga gatcttcccc aggagcattt
180ctgttgctt cttgacatca atgaaaagta gcataattctc ttatgaaata gcatagagaa
240acacagggca tttctaggac agtaaacgt taaagtactg gattaagaaa acaacaacag
300gttgggcgca gtggctcaca cctgtaatcc cagcactttg ggaggctgag gcgggtggat
360cacctgaggt caggagtgtg tga
383

<210> 2471<211> 371<212> DNA<213> Homo sapien

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120agagatgcag aaataaatta aaaacaagat ttgtttaaag aggaactgca acttctttaa
180ttgggcagat tgaaccaata aaagcacagt tctctccctt cacctgttat ctttagtct
240cttcaacttt cacattgctt cactcactct ctctctctcc ctttcacctg ctacacctac
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360gcagccattt t
371

<210> 2472<211> 383<212> DNA<213> Homo sapien

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60cagagtacga ctgtctcaac aacaacagca acaacaaca caacatctt cacaagct
120tatttcaagg aaaaacacaa agaaatttca caatgaatta aattaacagc cttggtagct
180aggttaaaaa atttaaagca aagaaataaa agttgatacc aggttagcaa agacaaggta
240aaaaatagta ctaagacact tcaggacctt taaggatatt tgaagaggtt tcaatattta
300gtatctaagg taaaagagat tgatgcagta ttttcaggt aaggaaatcc ttgcaaaatc
360agactgattt gataatatta ggg
383

<210> 2473<211> 383<212> DNA<213> Homo sapien

ccacattcat cccagcctc gctgtacagc tattatgtgg ggatttgcca atcaataaat
60caaggcacct gaaaaatgaa ctggggaacc acactgactt tccccctt cttgattaaa
120acaaacaaca ttgtgaaatg tcaacctgtc agtcgttttg aaagtgtg gcatagaaa
180gcaattacc aaatgacttt taaaagatg gagaatttgc ctggctgaac gttttttaa
240taatgcccgt agttaacatt aataactatt catagcttag tgagctgggc ttgaggtggg
300tttaggaaac atttggtatc tctggcaggg acagatgttg acctggccgg tcggcagctt
360ttacaaacct aaggacttca ggg
383

<210> 2474<211> 381<212> DNA<213> Homo sapien

tacgggtgctg ataagactac agaagggctg gcctccaga gggctgggat tacaggcgtg

60tgccactgcg cccagccggn ccttgctttc atgtacctta gaattcagag gaaaaaagag
120atattaaaca aataaataca caaatgaaca tacaatttca gtgaggttta agtgccatgc
180aggtaaagaa ttaaggggtcc tgtttcattt acttcttctc tgcttgacc tgccttcat
240taattccaca aatacttact gaccactgca tggcaggctc tatgctgagc actgtgaata
300cagaagtgc tcttgatatg gggattcgaa ctgcatggag ctacaccgt ccaaccaga
360ttgacataca taataggtcc t

381

<210> 2475<211> 374<212> DNA<213> Homo sapien

ggcacgaggt tactactgcc actcccagtg tgctgacct tcaaagttca gcaacacctg
60ttaaagtctt tgctcctggt gaattcggta accatagacc aaaaggggca ctaagacctg
120gaaatggccc tgaaatttta ttgggtcagg gacctctca gcagccgcca cagcagcata
180gagtactcca gcaactacag caggagatt ggagattaca gcaactccat ttacagcatc
240gtcatcctca ccagcagcag cagcagcagc agcagcaaca gcaacagcag cagcagcaac
300agcaacagca gcagcagcag cagcagcagc agcaccacca ccaccaccac caccacctac
360ttgaagatgc ttag

374

<210> 2476<211> 381<212> DNA<213> Homo sapien

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60tggtgaaacc ctgtctctac taagaataca aaaagtaact gtgctggag gggggcgctt
120gtaattccac ctattcggga ggctgaatca agagaatcac ttgaaccggg gaggcggagg
180ttgcagagag catagaagga gccactgcac tctagcctgg atgacataat gaggtcagt
240ctatcatggt aatagtagcc tgaacctatg tgaaatctaa gaacatataa cactaatttt
300tcatagtata aattaaaaaa tgggtgccta gcgctggaga ttccgggaag ggacacagat
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381

<210> 2477<211> 380<212> DNA<213> Homo sapien

ggcacgaggt cctttccagc ttgggttca cagccttctg ttattcctgc tgtcaatttt
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120tattaccatt taactgcagc aagtaaagac gttaatagt aggtttttgg gaatgtggta
180aaaccgggag gtatatttga ctttgtccaa gttatctgat gaggcagatc agctaaagca
240aaatacagtg ggttgcctcc tactatcact gggacctaga gatttcatct acatctctga
300aaaaatgggt ttctgtatga tagtatgggt gagaaggaat gacagcagaa ctatcaactg
360ttttctgatt atcctgatga

380

<210> 2478<211> 374<212> DNA<213> Homo sapien

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60gggccttgc attgtttata acaccagaaa gggacaattt agaagtgcc tttctgtctt
120aacactaact ctctttaagc ctgcatcacct cccacattct aatagggctt ccatgccgag
180ttgttttcta gaacttttcc ttccatttt cagggaagcg tgaatgttgc tttaatgca
240gcgttttaat gtgggtataa gctttttatg tgacttaaat tacataaaca tttcagttgt
300gctgaataca cctcttattt tctagatttt catgttttca tacagctcag gttttgatgt
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374

<210> 2479<211> 373<212> DNA<213> Homo sapien

cgttgctgtc gggataaatg gaaatttcaa cttatttcaa attttgcaca tattatgaaa
60ccttattaat gtatttttat caaactaaat cagatttcta tttgaattgt taggaaaaac
120catgtgcagt tttggctgat aattgaagga aaaatatcaa atactttgaa tttttttct
180cttttttcaa accctctgca gaggtaggaa ggtatgaatt tcttttttat gtcaagatgc
240aaaaacaaat catgatgctt ttgttgggag aatttttcta ttcagtattt tgtatgtacc
300tttttttttt ttaaattgga aagcccaatt aggttaaaca ttttaactttg ctgactcca
360gtgtaaaatg aan

373

<210> 2480<211> 367<212> DNA<213> Homo sapien

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60gaacccctg gacctgacat cgcggcttta acaccttgg gtcagtgtag aaggaagagt
120gcccaccag gactttccga ggctcacaga ttctttgaaa tggacgtgag cacaacgcc

180cagccccgac agccagggat cagatcgggt ttcacttcct aggagggagg atgtactgca
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300gttttacggg atggccacac ggtaccctgc aggtcctatcc atggtgggac cttgatgctc
360ctttgtg

367

<210> 2481<211> 384<212> DNA<213> Homo sapien

gtagcacgaa ggcccactcc aaggttcttg ccaggctgga ctgtaacagc agtaccagca
60ccaggaatgg ggccaccatg tgatcttttg gtagaaatga cttttttggg cttgagtttg
120tcttttctaga atgcacgtga tcccttatcc caggaggtt gtaaagacca cactgtggag
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240tacaaaacgc gtccatgatg aggacgggtc cattagagcc cccaacgttc tgtgaagtgg
300gcggcacagg ttggggaagg ggacttaatg gggttatgta atttgcataa aaatcacaga
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384

<210> 2482<211> 383<212> DNA<213> Homo sapien

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60aaatagaaaac ttctgaacac cctcctaagt cactacagga tgccagcgtc tccatttctt
120gggtagacag atgccactca gcctcctgat ggatgataca agaaattgtt acttcctagt
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300actgttcact aaagaaggaa ctttttagaa aactaatctc ctttatcatc caattttagt
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383

<210> 2483<211> 379<212> DNA<213> Homo sapien

cgttgctgtc ggtctcccca gtagctggga ctacagacac acaccaccac gcctagctaa
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120gacctccggg aatccgcaca ccttggcctc caaaagtgtc gggtttacag gcgtgagcca
180ccatgcctgg ccccattagg ttactttcat tccaccttca tgcttatggc cattcctctt
240atgctgctgg gtggacatag agcttcacca ccctcctcct gcctgctcctc tgtgtctgct
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379

<210> 2484<211> 377<212> DNA<213> Homo sapien

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120aaaaacatgta aaagccaaca aaacccttga aatatatttg catatggatg tctgtttcac
180gtttcaactg aagatgtata gagcacctct gatgatgagg aagataccat gctaggcagt
240actttcaaga acgtgagttc ttattttctg aggccttttg tgcccccttt taaatgtag
300catttattag gtacaaacta gtggggaagg tttttttaa aagttttgca gtcttgtaat
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377

<210> 2485<211> 375<212> DNA<213> Homo sapien

cgctgctgtc gtatagaact aaaatgtctt aaaccacgct tagtttcata tttagaacia
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120ggagacatgg aaactgattg ggggagttta gctttactct cttttttctc agccattaag
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240ttctgcccact ttttaaaaat cttcttattc agaagttcag caaagtaaac caagtctggc
300ctaatacttt gatttacttg aatacctcta cgtatcttaa taattccttt aattttacat
360tgtgtaataa tttat

375

<210> 2486<211> 372<212> DNA<213> Homo sapien

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120gatttttcca cctcctctta gtaactctg aattaccaac atcaacttct ttctctccgt
180tcctgaagga actttgggga atcatcttca tccgtagtta cgctttcctg aaccttctca
240gtgggtttaca tgcctctgaa actatgtgca atatttttg ttgacacttg tatccatcct

300taagaaatta gtgcagattg cagatgttct gtcttccatc ccaaacaagc ctgccatgag
360gtaggatcct ag

372

<210> 2487<211> 155<212> DNA<213> Homo sapien

ggcacgagct ccgcgcggcc tcggtcccct gcgccgccc cccacaaca aaactcagcg
60cagcgctccc gggcgcccgg ttcagagcga cctgcggctc agagcggagg ggagactgac
120cggagcgcgg atcgggacag cggccgggac agcgg

155

<210> 2488<211> 375<212> DNA<213> Homo sapien

cagctcatat ctggctaaca gtggcactat gggagtttat atgatctgtg cattattctg
60tggcatcacc ttctaagagc agagatgtga cccaatacc cttgttttcc ttaaagataa
120ccattaaatt atatccatga atttatatca ccgtccttga ctttatacgt agatttttct
180aattctgtca acccttaggg taatgaataa cttaaatggc caatgcctct gaataacatc
240atacttcctt ttgtttctcc aaaaattgaa tcaagatgcc agggcaacta agatttttct
300caatttgcta agttaagggt cagtgtattc attagccaat ggttctgtat tttattcatt
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375

<210> 2489<211> 379<212> DNA<213> Homo sapien

gcggattgtg acaaaatctt tcattaacaa ggggagtttc ggtgaagtgg aggtttgggg
60aaaggcgagg aagtcggtct ggagcaagca agcaaagtgc ggaagctgta ctgggattct
120tctagaaagt ggggtgggaa aggaggtagg gagggcgtgt gcagggacga gatctgtgtc
180agaacgtgcg tgtgagcggg taaaaaccc gagagaggcg tgagcagcgc tgtgtttgag
240agcgggagcg aggggcgccc gctggggtgt gtgctcctga gctcttcaga aaccaggctg
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379

<210> 2490<211> 372<212> DNA<213> Homo sapien

catctttggc gtaggccatg aaagacagga tgctcattgg gtgttctgct gagtgaggaa
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120aaatggaccc agttttgcca catatcagta ttacgctgaa gatcagggtga ctggatgccc
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240cctgagaggt ttgcaatttg ggaagccatg aaaaaggctt ttatatcttg gaaagatgga
300gagagggaca taggatcggg gactcctaca tgacatgaat aggctggaga ttgggaatcg
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372

<210> 2491<211> 375<212> DNA<213> Homo sapien

ggcacgagaa actgtcagcc cattaagtgt tcattcttaa tgtgaaattt ctatagtaag
60gcaatttagc ttaatttgcc aagacatctc ttcatgtctg ggagggctgc tgggggaagt
120agagctggaa tccattggag ccaccaatct gcagaagtct agaacacaaa ggacacagag
180tgggttttgt gggctattgt ggcatttgtc aaggaaaagc aacattgccc tctaaatgac
240tcccacttct gttctggaaa aaacgcatca tcattcatgc caccatccca atagacatag
300gaagcaattt ctcttcaggt tttgagatgg tgcaagcatt gacttttctt tctacagagg
360gctgggatgg ggggg

375

<210> 2492<211> 382<212> DNA<213> Homo sapien

accgcagcag ggaatatcaa acttcttggg tgttctagct ttgaagcttt tgcttcagta
60atatttgttt aaagaaccag atcacatacc atttatcaaa gtctttactt aagccagact
120actttgcaga catacatatt tggaaaacag actgtttctt gttcactaga tagaatctgt
180attgtagtaa gaaactactt acaagggtggc tttctttctg ctttgcact ctatgtataa
240ctcaataata tatgtatggg cacagggtcc ctggagatgg tttatttctt tatgacagac
300acatgagtat gcacctctct ctagtctct gatgtcactg cagctacagt ctcttctcac
360tctgtttttg agagccttca aa

382

<210> 2493<211> 375<212> DNA<213> Homo sapien

cgttgctgtc gtgagaacgc aatgtcaggt gtgggactcc ttctgcccct gcagtgggtg
60ttacgggcgg tgtgccctgg cgagcaagct ttgattcttg gttctttgag ctcttttcag

120aggtcagtc cccacatcag ctttagttct tggacttccc tgtattaagc aagaattagg
180agaatggctg tccctgcagg cgcctcccgt aaatcctgag ctctctggcg caatctgaaa
240cttctcttct gtttcttttg gctgtatcag ccgaaccagg agaggcctgg gctgcgacta
300aggagaaaga aatcgggggt ttctgagagc agatgggtgcc tttgtgggtg cagggctttt
360gtggaaattg tcacg

375

<210> 2494<211> 371<212> DNA<213> Homo sapien

cgttgctgtc gaaagtcca tataatgaat taaaagaaaa gtgctgtgaa gaaaacaaat
60tcaggatggg aataggagg ccaaggagg gcaagggtgtt ttcattttga atgtgggtgg
120ctgggaaagc ctactaaaa tttgagaaag acttgatgaa agagaggagt gagccatgca
180gccatttggg ggacaacttc caggcagacg gccggaggca gcagtgcag ggcgtagtcg
240gggcagtgtg tatgcctcct gtgtagcaaa cccagggcac cttttattaa gccaactatt
300aggggtttcca ctgtttggag gtggctcctg ttcttggaga ccccaactc tgatgttttt
360ttggaattgc t

371

<210> 2495<211> 368<212> DNA<213> Homo sapien

ccgttgctgt cgggcgagtc tttaaaggag tggctcatct ttcctctccc tggggcattt
60tgggtgtggga gactacaggg gatgaggtta aaaagcttgg tcggcaggta gaggatgggg
120agagaggtta gggccctggg aaaggtggga gatcagccag agacaggttt ccagaacag
180aatgtctggc ctttgtgtg aggagggact gtggtatgag ccgcagaagc gggccagggg
240taaaccctcc tgtgcgtcct tccttcagcc tggctcctgag ggtgaccctt tgatcctggg
300ttctccagg agggctgtga gctgtgagtt ggatcctttt ggtgaaatgg tctctctcat
360ctggcctg

368

<210> 2496<211> 378<212> DNA<213> Homo sapien

ggcacgagcc aaggcctggt ggccctcgtt cccctgccc tcgtcaccat cctgtccttg
60gctggccgtg aggactccc tccctaccac tgggtccac agggctgagg tgggcagtag
120agggcatagg tyggtacatg tcccgggcaa ggtctctcgg ggggacagaa gtgagtccag
180ggagtgggtg ggcctgggcg tccctcactc aaaatgccgt ggggtgagga cgtgaggac
240aggggtgggca ctgggttctg gtttagagtc agtaatgtta gggcgagtg ggcagggggg
300caggacatct ccagccgtg gtgaggaagc atggtggggg ctctccaca ggacgggagc
360tggngagggt gtccctggg

378

<210> 2497<211> 384<212> DNA<213> Homo sapien

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60tattcctggc ccaatgacaa agatcctgtg gatggtcctt ttcctactat gacttttgc
120gaggtgctgg ccacctatgg aactgataaa cctgacactc gctttggaat gaagattata
180gatatcagtg atgtgttag aaacacagag attggatttc ttcaagatgc acttaataag
240ccccatggag ctgtgaaagc catatgtatc cctgaaggag caaaatactt aaaaaggaag
300gacattgaat ccattacaaa ctttgcagct gaccatttta atcaggaaat cttacctgta
360ttccttaacg ccaatagaaa ctgg

384

<210> 2498<211> 371<212> DNA<213> Homo sapien

cgttgctgtc gccatgccat tgacttgat gcagaagcaa tggctcttcc cctctatcgc
60cgaaccataa gaggaaggag cttggataca agacaagtgt acaccaaatg tgaaggtagt
120gaggttgaag atctctatga gcttttgaaa cttgttaagg aaaaagaaga agtagagggg
180atatcagtag gtgctatact ttctgactat cagcgtattc gagtggaaaa tgtgtgtaaa
240aggettaatc tccagccttt agcttatctt tggcagagaa accaggaaga ttgtctcaga
300gagatgatat catctaatat tcaagcaatg atcatcaaag tagcagcttt gggtttagat
360cctgataagc a

371

<210> 2499<211> 377<212> DNA<213> Homo sapien

gtccaagctg ctgcgcttgg agcaatgacg tccatgggtg gtaagggttg caaagattct
60tttggcaatg attatataga aaacttaaaa cagaatgata tttctacaga atttacctat
120cagactaaag atgctgctac aggaactgct tctataattg tcaataatga aggccagaat
180atcattgtca tagtggctgg agcaaattta ctttgaata cggaggatct gagggcagca

240gccaatgtca ttagcagagc caaagtcag gtctgccagc tcgaaataac tccagcaact
300tcttttggag ccctaacaat ggcccgagg agtgaggatga aaaccttggt caatccagcc
360cctgccattg ctgacct

377

<210> 2500<211> 346<212> DNA<213> Homo sapien

tttcgtttgc gagaagacga cagaaaggca aggaactagt gtgtatcaag ccataactaag
60ctggagttta gcaggacaaa ggcaactaa atgtagaaca taacatatca gctgaatatg
120tctatccagg actgtttttc tagaacataa atcatggagc tccttgacag tgtatccact
180gtttttgggg tttaataaaa ccaactagaa tttagactta caaagaaatt attattcctt
240ttggtgtcc acataaagca gtccagggtc atcatatggc taaaatcaag atatttggtt
300catctctggg atgtatttat aaagtcaact tatcagccat taagat

346

<210> 2501<211> 344<212> DNA<213> Homo sapien

tactttctgc gagaagacga cagaaggggg cggaggggca ccttacttac ctcaggggcaa
60ctcccccaac actggagaca gtctgttcca aacaggagtg ggagacgaga ctgaatggag
120tttgataat gaaaaagaat gttcgggacc aatttaatat tcatatccag ttagtgagga
180acggagccaa gctgagcaga cttcctcaaa tccctactcc cactttacct ccacccccat
240cagagacaga cttcatgctt taggtgtttc aaccagggtc ctctctgggt cctcggatgc
300ccttttccat tggcagggtc acaatgcccc tggttatgcc cagt

344

<210> 2502<211> 338<212> DNA<213> Homo sapien

agggtatgg ctgctagaag acgacagaag ggataaccac accctctaga ctaacaacac
60agtcattcat cttacctcca agaaaaacat aacccaacc agctatttgc cctgctccca
120gtagaggcag acacacctga atgtgctatg aagagacaag ccttagggga gaaacagtgt
180gatttgaca aatcattcta taacagcgaa acctttcgat gtgttcaacg gctgcagaaa
240gcacaccaca ggtgagagac cagaaagtgc ccaaggggtt ttatacaaaa aaactatatt
300taggtatagg gcacagtcta cgtagaaac ctttcaag

338

<210> 2503<211> 335<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaacaaaac cctctgtc tcctctcgca gaggtcatcc
60ctgagtcagg gtggcagtc cttccccggg ggacagaggag agtgcctatg gttgaggctg
120gggactctgc aactggggga ggcacggtaa aattaacacc tgctgatccc atgggccttg
180gacagggttc ttgacttttt gggggccgct gtcaaagggt gagtataata acctcctccc
240cacagcaaat taataaatgg catgtgcaca tacagcgctt gcctcatgtc tcacatgata
300aacctgattt ctgggcactg gctgagcgac tatgg

335

<210> 2504<211> 475<212> DNA<213> Homo sapien

acttgaactt nnnaaggatc ccacgatgc gtcagatct ccaactctc ctccttcttc
60taagccatca agtattcttc ggaaatcctc tgtggatctc aatcaagtta gcatgctttc
120tccagctgcc ctatcacctg ccagctcctc acaaagatct ggaactccta agccatctac
180tctacacca accccttcat cgacccaca cctcctgat gtcagagct caactcctag
240tacccttca gccacccta cttcccaaga ttcaggcttc acccctcagc ccactttgtt
300aactcagttt gtcagcagc aaaggctctc gagccaggca atgcctgtaa caaccattcc
360tctttccacc atggtaacat ctataactcc aggaaccacg gccaccagg tcatggcaaa
420ctctgctgga ctttaactca tcaatgtagt gggctctgtt tgtggggccc aggt

475

<210> 2505<211> 446<212> DNA<213> Homo sapien

gacaattctc anggcctttn tggaagatcc catcganncg gttgcggcac gagaatgctt
60ttgcccattat acctatattt tttagaacag caagccctat ttgaccactc tcttcagcct
120gtgtgttctc gctgttttga agtaatcaaa tgctgtgcat ggtattttac ctgagctgca
180acctggttat gacttgaact tctgtttaag ttgaaagcaa gagtccctga gtataaagga
240aaaacagcaa aacaaaaagc aaacaaaaaa aaactgcaa agtctaaaat acccattggt
300gatgtttttt aaaaaaatct tgctttcagc tttcaggagg taatattctt tgttttaatt
360tgataattgg atatggttga tttatattgg gtttaaaactc cggagctttc atgtttactg
420gtaattagtc ttaaaatatt ttttac

446

<210> 2506<211> 444<212> DNA<213> Homo sapien

tagctccatc ttatacgcac gaccgctcg attccaagat cgctgctgtc ggcattggaag
60gatgcatgta tgactgagga aaagtcattc agtattgagt tcatttgcac tagaggaatt
120tcatagttta aaacttgat atctttacct atccttcgta tgttttcttc ttaagcatat
180ttgacttttt ctacctcagc atctgtataa gaaaatattt gtgagtcaga tgtttgggg
240ttttccctac ctattattat tttctccat gctttacaac acatttttta aactaccttg
300ttcttaata attacacgga cctgcttctg tgtactttca cagaatcttt gacagttaaa
360aattgtatgt tatataaaaa ttgacaagc ttctacagtt aggaaaagcc tttagaaatc
420tgccttcccc aaaccgtatg ttat

444

<210> 2507<211> 431<212> DNA<213> Homo sapien

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60cattctcctt ttggccctgg attgttgaca tgagtggaaat acttggtttc tttcttact
120tatcaaaaga cagcactaca gatatcatat tgaggattaa tttatcccc ctacccccag
180cctgacaaat attgttacca tgaagatagt tttctcaat ggacttcaa ttgcatctag
240aattagtgga gcttttgtat cttctgcaga cactgtgggt agcccatcaa aatgtaagct
300gtgctcctct catttttatt tttatttttt tgggagagaa tatttcaaat gaacacgtgc
360accccatcat cactggaggc aaatttcagc atagatctgt aggattttta gaagaccgtg
420ggccattgcc c

431

<210> 2508<211> 433<212> DNA<213> Homo sapien

cgctgctgtc ggccggcagg aaatttaaac tgaagccgcg gccgaaaacg ccaagagatt
60gatgctgtag ctgccctgag ataaccagga ctgtggaatc gggaagagct catggagctc
120gcgaatgtaa tacggaggcc tctgaggaag gagtacggag gccgagaagg agccggcatt
180tgatgagcga accgggaaaag ggagacgatt gcctcgagct ggagagttcc atggctgaga
240gtaggctccg ggccccggac ctaggagttt ccaggtgtct aggaaaatgc cagaagaact
300caccaggtgc caggaagcat cccttttccg gaaagtccct ttacttggat ctgctgctg
360gcaagaatct ccagtttttg acgnggccca ttcagcaact ggggtgggta attgaggggt
420ttctgagcaa aga

433

<210> 2509<211> 425<212> DNA<213> Homo sapien

tagatatgca tgcttgagga aacttgcttt tactgttttc ctacttgtat cccagttca
60gttgaattta caaggaccta caagatggtc atgtttgtct tggatgtgc taccctaatt
120ttagtgtttc tttctttatt ttaaatcagt aattattcag ttgattgttt atactatata
180atgaagtaac aaaaacattt tggtttgtat gttttaagta acagttgtgc aaattcctct
240tgtttgttag gtgctccctt tgaatatttt gtgaactgtg tcacagggag aggggtgggtg
300gctaggaaga gggtcagaaa gaagctagag ggaggtcagg agaagggtaa cagggaggat
360gcaaagcaga catctacctt ggtcacccca ggatcaggat atctgtcctt ggttcattgt
420gaatn

425

<210> 2510<211> 423<212> DNA<213> Homo sapien

ttcaaggacc acatgtgttc tctattttgc ctttaaattt ttgtgaacca attttaaata
60cattctcctt ttggccctgg attgttgaca tgagtggaaat acttggtttc tttcttact
120tatcaaaaga cagcactaca gatatcatat tgaggattaa tttatcccc ctacccccag
180cctgacaaat attgttacca tgaagatagt tttctcaat ggacttcaa ttgcatctag
240aattagtgga gcttttgtat cttctgcaga cactgtgggt agcccatcaa aatgtaagct
300gtgctcctct catttttatt tttatttttt tgggagagaa tatttcaaat gaacacgtgc
360accccatcat cactggaggc aaatttcagc atagatctgt aggattttta gaagaccgtg
420ggc

423

<210> 2511<211> 421<212> DNA<213> Homo sapien

cgcacgagag agagagagag agagttattt tgagagagag agagagagag agagagagag
60agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag
120agagagagag agagagagag agagagagag agagagagag agagacacac cctctctctc
180tcttcttcag tgagttagtg agcagtggt gtgtctcccc cccctctct ctctctgtgt
240ctattgtctt tttctggcgc gtattgtctt atctctctct ctctctctct ctcacatata

300tattcccccc cccctctctt ctctctcaca caaatttttt cttttttgt tcgtgtgcct
360ctctctctat aaaaccact ctctctctt tttctctctg cgtgtgtgcg ccttctctcc
420c

421

<210> 2512<211> 422<212> DNA<213> Homo sapien

ggcacgaggc caaatcttt gagctgttaa gatgataatt tcctgcttcc ctccctacac
60ttctctctcc actccctcct ttggtgtgaa tattggcttc ccaattaaga ctttttttt
120ttttttccaa gttggtttaa ccaaataaag ggttggggag aaccttgccc ttttggaat
180tttaaaaaa ttttttacc tttcttaaaa taagtcttg gtttttccaa ggttttaatg
240gaaatgggg aacaaaagaa aaaatttga gcggttttc ttttccctg gtaagggggg
300gagattttcc caaacggag gggcccccct ctggtttga acctggaacc acatccccg
360ggggtgggaa agggaatttc cccaccgga agccttgctc ttggttccc agggccttgg
420gg

422

<210> 2513<211> 422<212> DNA<213> Homo sapien

ggcacgaggc agccggacca ggagttgggt tcgtctctcc ccgagcctcc ctttctcaaa
60tcccgcaggg tcttcgcgag gatccggggc gctccccgcg gacctgcctc gcccggggct
120tgggctcggc ctgcctctgc ggggacttct gtatgcaccc cgtgcagtgt ccccgacagg
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300tttgtatttt ccaggttgcc tttgcaggcg cccgcatttc taacctgttc ttcctcttgg
360tggaaggcaa agtccaggga gaggtgtcc ctatgcgng cgctggtggn gctgagggac
420at

422

<210> 2514<211> 422<212> DNA<213> Homo sapien

cggttgctgc gaagtatttt accttgactt accttctgtc accatatctg aaaaacttca
60aaaggacatt aaggtacttg gagggcgagt tgaagaattt ctacgcaaag atatcagtta
120tcttatttca aataagaagg aagctaaatt tgcacaaacc ttgggtcgaa tttctcctgt
180accaagtcca gaatctgcat atactgcaga aaccttcca cctcatcca gccatgatgg
240aagttcattt aagtcaccag acacagtgtg tttaagcaga ggaaaattat tagttgaaaa
300agctatcaag gaccatgatt ttattccttc aaatagtata ttatcaaatg ccttgatcag
360gggagtaaaa attcttcara ttgatgacat tagatactac attgaacaaa agaaaaaaga
420gt

422

<210> 2515<211> 166<212> DNA<213> Homo sapien

tggttggtct gactcttac ccatgatgcc agttgccttc attatattaa ctgagtttta
60aatttgcggg ggggaagcta tttacctta tgcagggaac ttaacaaggc ctaatattaa
120cctttatttt atttttaggg agttactttt ggctgcagga cctcgg
166

<210> 2516<211> 415<212> DNA<213> Homo sapien

ggcacgagga gagagagaga actagtctcg agagcagnnn nntttttttt tttttttttt
60ttgggggtttt ggggttgggc caataaaaaa actttttttt ttacaacaat ttaccccc
120cctttttacc ctttttttcc ccccggggtt aaaaggggga aaactcttgg ggggtttccc
180ccccctttt aaaaaaggaa acccccctt tttaaaccgt gtttttttcc ccccctccga
240ggagggggaa ttttactcca aaaaccctt ttttttaaaa aaaaaaacc ctgggggaat
300ttttttttt ccgggtttta aagaccccc aaaaaaaaaa aagggttttc cccacattt
360tgtggcgggg aaaaaaacc ccccttttt ttttcccc cctcaaaagg ggccc
415

415

<210> 2517<211> 416<212> DNA<213> Homo sapien

cggttgctgc gaagaatagg agagaataga ttatgctctt ttaaacctga gagaggggtg
60ctctccttaa atagtatat agagccttaa atgcattttt gttgttgtt ttgatcactt
120acagaaatag ccagaggtta tggattcct cttaccaa atgaggatta gctctgtaga
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240tatatgagag gcagtttaag gtgcttcac aactgtggat ggaatcctca aagtccagtc
300ctctgattggc tgccaggggc cttaacaggt tgaatatatt aatcaactat acaggagtc
360accatcccaa gaggtaaaga attgcataga tcctttagtt taagggaata aaaatn

416

<210> 2518<211> 413<212> DNA<213> Homo sapien

ccatcgattc gaattccgtt gctgtcggcc tcatttgcta tcccagcadc tcttaaaact
60ttgtagtctt ggaattcatg acagaggcaa atgactcctg cttacttat gaagaaagt
120aaaacatgaa tcttgggagt ctacatttct ttatcaccag gagctggact gccatctcct
180tataaatgcc taacacaggc cgggtctggt ggctcatgcc tgtaatccca gcactttgag
240aggcctgagg tcggcggact gcctgaggtc aggaattcaa gaccagcctg gccaacatgg
300caaaacccca tctctactaa aaataaaaaa attattagct gggcatggtg gtgtgtgctt
360gtaatccag ctactcanga ggatgaggca ggagacctgc ttgaacctgg agg

413

<210> 2519<211> 416<212> DNA<213> Homo sapien

ggcacgagat tttaatcagc tatgtcattt ctgcgtctcg ttgtatactc ctggaaggtc
60tttagagaaat cctgccaaaga aaatatcccc tggatgaatcc tcggggcact agtccacgcc
120gcactgtcag caagtatctg ctgaaacaag ttttttgaa tctttagctt ttctgtagct
180ccagtctttt taaagtactt cttttgacct tcaagtaaca acgagcactt gctttaaaat
240tctgacagtc ttccaagcct tttacattc ttattccact aaataagctg tcgccgctca
300ctgggacagg cagcacagtt gcttgaacgc ccggcttgaa attccacgaa atgtcacctc
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416

<210> 2520<211> 413<212> DNA<213> Homo sapien

cgttgctgtc ggaagaattc gcggccgcag gaggtttcca gtcccagcta cccgggaggc
60tgccgcaaga ggattgcttg agcccaggag ttcgagtcca acctgggcaa aagagtgaga
120ccccatctct aaaacaaaaa aggtacctta gaaggtcacc tgggtggcta accttttaa
180ggcaggggag tgacacgtag gacacattgg gaatgtcttg gctactacat gtacgttct
240gggatatatg tgcccagagg gagaagcact gaggctgaag aaactagatg agtctcagaa
300ccacagaccg gccagaaatc tctccacca ttatatcagc gtgatacagg tctacattca
360tttctacaaa caggaacaag ttccttgtag caataatatt attttatgac ttg

413

<210> 2521<211> 166<212> DNA<213> Homo sapien

atataccctg tctcactttc cagaggtagc agtcaactaa actgggggtga gtgattttac
60tcaaaggaaa tcacactatt aagcagcttg gttttgacat gttatgttgg ggtcatcttt
120tcatgtcaat acatagatta atcttttatt tcaaagtctt acataa

166

<210> 2522<211> 413<212> DNA<213> Homo sapien

cttttgttac ctaaataatg agtaggatct tgttttgttt tatcaccagc acacagattg
60ctataaaactg ttactttgtg aattacattt ttatagaaga ttttttcagt gtctttacct
120gaggggtatgt ctttagctat gttttagggc catacattta ctctatcaa tgatcttttc
180tccatcccc aggtgtgct ttttttagt gccttgctct cactcctgct ctctacagag
240ccagcctggc ctgggcattg taaacagctt ttcctttttc tcttactgtt ttctctacag
300gcttttatat ttcataccat ctctgcctta taagtggntt agtgctcagt tggctctagt
360aaccagagga cacagaaagt atcttttgga aagtttagcc acctgtgctt tct

413

<210> 2523<211> 416<212> DNA<213> Homo sapien

ctgggggtgaa tgcacgtcag tggaggcaga atcattctgt ctgaatgaat ggagtttcca
60ggccccact ggccctctgt gtgagggctt gcagggtttg gcaggacagg tctttctctc
120cggcgagagc acccaccctg accggctgct ggatgagggc accaaagctc gctagggagg
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240cacatttct gcagccaggc cggccctggg gaggtcaggc caggccgggg aggtgaggc
300ccacctgcca tagtngcag gtgcgggagc cagggcggca gtggcctcg ggctgggtgg
360ggcgccctgc ctctggtctc tggagtagtc angggtctg cagatgctga gaggcc

416

<210> 2524<211> 414<212> DNA<213> Homo sapien

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120ctatgattgc accactgcac tccaggcaac agagtggagc cctgtcttaa aaaaagaagg
180gagaaagtgt caaatggtga tgaggtctgg gggggaaata gagaatgggg atcacgagtg

240tgatggtgg tattccctca ccaagatgtg acatgtaagc acgccgctgg gaggagaggg
300tgcgaccgc gtggaatttc cacaaccacc ctccgtcgtg aggccacacc caatgcagag
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414

<210> 2525<211> 413<212> DNA<213> Homo sapien

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120ggctggtcag gctgaagtgc cctcctagc agggccctt cccactcagc ccgaggctgt
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240tgcattctcag caaagccctt cccagggttt gatcgattga gcaggacagc cctgctcctg
300gacagggacc ctggttaagag ctctctcctc agggaggaag taggggtggg ggctttgggg
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413

<210> 2526<211> 416<212> DNA<213> Homo sapien

cggtgctgtc ggtaagtgc attcttttgg tggctcgatg ttaccctcat attttcagca
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120cttgcgtcac gcagcaggta tctgggtggt tgcagagttt ggagccattt tgggtagctg
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240aggacctcag ccatgtggcc tctggggaat cagtggatga agacgtccct cctccatcag
300tgtcatcacc aaagctggct gcgcttctcc gggatatttag tactgtgctg aggagcattg
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416

<210> 2527<211> 408<212> DNA<213> Homo sapien

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120gatgatgaag cctctgaaga tgacacggat tcatttttct caaacagccc aagaaccttt
180attttccaat aagagaatat aacaatttct gtacactatg gaagagtttg acttggtgaa
240aaccttacac aaaacttcat cttctgtagg atctgatgaa aattctcttc attctcttgg
300actgaactta aatactgata ggtaagaatg ggatttaaaa aaaatgtacc aaatcagaat
360aaccttattt gcatacgttt atcaacttat ccaaatagtg tcgtagtg

408

<210> 2528<211> 409<212> DNA<213> Homo sapien

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120ttgtgtaaat acttctgcaa aggtactgat gctgtaaagt caaacagtt ttgtggaact
180gtgaattttt tttctttttt cttttttttt tcctttttt tttggaataa acccccttga
240aaaaccaatt ttgctgcctg aaaaagaagg gaaaaaaaaa cccagtgct ttttttaaaa
300aaaaaccttt tggaagggat ttttgggttt tccttaacat gaacccctt gaaacgtttg
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409

<210> 2529<211> 408<212> DNA<213> Homo sapien

ggcacgagaa caatatgagg tacagaaaga aaatgacaat ttgataactc ccattacaaa
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120gaggcacctt tattgctgag gaaatggaag agttgaatag gatttaggga tgaggatact
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240tcaaggatta ctccagtttc cttctagagc ctctgggtgc aggtaggggc agtcatgttg
300ctattggagt gtgacagaag agagaatgtg aggtttagtt gtggcacaga ggagaacctg
360tggagtggag ttgtgtctac ccgtctaggc ttcaggggagc cgaagact

408

<210> 2530<211> 165<212> DNA<213> Homo sapien

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60actattacac ataacagcac tctagcacct tttcttactg gcatggactt cctcatggac
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165

<210> 2531<211> 409<212> DNA<213> Homo sapien

ggcacgagaa agaatagaga gaaagggagc cgctgtgctg gtgggttaca ctgcagagga

60gtaagtcttg tgtcaaagca ggaatctgat cagaggttca gaattggaag tacaatttca
120ttgcttttgc aatttctaca aattaatttt aaagtgtcag aaaaagggtga cggcaaggac
180atgcattgca atttgcaggg ggaattgtca agtgaggact tcatcacata tgacacgaga
240gaaaagtaag agctggttct aaaatcaaaa gctgtgttcc atcctgaatt gaattttctg
300aatttgggtg gagcagagtc gctttgaagc cttggtccga tetaattcta ttgtattggt
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409

<210> 2532<211> 409<212> DNA<213> Homo sapien

ggcacgaggt ttctcaagga ccttgaggac cccagaagcc cttgcagcag gaaaggctgt
60aagggggggt cagcctaggg caggacctag ggaggggaac tttcttgata catatttgc
120ttttcatccc atctagcaag cacagtgtta attttagaaa ttatagaaga aaaaatcagc
180aaggagtgtg ggaaaactgc atgccccagg cctccccgcg cccagggtga attggaagcc
240ctggaatggg ccgaggcaca ccaggcagct gatctgggtg catgtgggac acagaccact
300ctcacaaggt taaatcttta acaagagcct catgtttgtt aggagaaggt gggacccag
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409

<210> 2533<211> 412<212> DNA<213> Homo sapien

ttttcggcac gaggagagag agagagttag agagttagat atgagagaga gagagagaga
60gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga
120gagagagaga gagagagaga gagagagaga gagagagaga ccccccccc tctatacacc
180cacacgcgcg cgcccccccc tatctctctc ttctctctca ctgcgcgcac ttttgtgttt
240ctttcgcgcg cgcgctctct ccccccccc cccctcactc tcgccccccc ccccccttc
300ctttgcgcgc ccccccccat atatctctct ccccccccc cctctctttt tctgtgtgtg
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412

<210> 2534<211> 411<212> DNA<213> Homo sapien

cggtgctgtc ggcgctgtgt ctgcctggg gtaggggtgt gtctgtcag ccgtgggggc
60tgctcttccct ggtggtggag gccaggtccc agtccttccc cacacttgta gaaacatgca
120ttctctggtta gggcctgcaa acctgcccta ccaaacctga aagagggtcg gctcatctcg
180gaacccgctg cgtgccaaagc caggcacgag gaggtggcag gcatcccgac ccccggtggg
240cctgtgttct agagtgcaga gacagaactg gctgggaggt gcggggcatt ggattgtacc
300agtgtgctggg aggagagcaa agcaggggaa ggtctcgga gcgccaggt gtggccgaga
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411

<210> 2535<211> 406<212> DNA<213> Homo sapien

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60accgaggttc tatgtctttg acattctacc tccagtattg cttttgtact tcagagatct
120cttctgttgt tagagaaatg gctgcaaagt gaacataggg agttctttgt tgttgttatt
180aaagatatgt atatttctctg taaacagcta agtctgttta gatcctagga catggcattt
240atatagcaga atattattta aatatatttc atctcgtgac ccattagcca ccaagtatgc
300ttccttaggt aatttttaca tagtagtacc atgcccagct ggatagagtt gccttgaaga
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406

<210> 2536<211> 404<212> DNA<213> Homo sapien

cggtgctgtc ggaagaattc gccgccgcat gagannnnnn tttttttttt tttttttttt
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120gtttaccccc agcccccttt ttttgggaa aaaaaaaccc ctccctcttt ttaaaaaaaa
180cccttttctt tttttttttt ttaaaaaaaa aaaaaagggg gggggggaaa aaaaaaaa
240aagggggggg ccccccccc cccccctttt ttttagggg gggcttttgt ttttttaaaa
300aagttttttc ccgggggggc cttttttatt tccccctta aaaccccat tgggggggga
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404

<210> 2537<211> 403<212> DNA<213> Homo sapien

ggcacgaggg ggtggctttg atttcggcga tgagctccca gaaaggcaac gtggctcgtt
60ccagacctca gaagcaccag aatacgttta gttcaaaaa tgacaagttc gataaaagt
120tgacagacca gaaaattaat gcaaaacttc atgatggagt atgtcagcgc tgtaagaag

180ttcttgagtg gcgtgtaaaa tacagcaa atcaaaacct aaaaagtgtg
240ttaaatgttt acaaaagaca gtgaaggatt cttatcacat aatgtgcagg ccatgtgcct
300gtgaacttga agtttgcgca aatgtggaa agaaagaaga cattgttatt ccgttgaata
360aagaacaga aaaaatagaa catactgaaa ataactaag ttn

403

<210> 2538<211> 403<212> DNA<213> Homo sapien

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60attttcactt aaattgctta cttccaagag gtagatgggt cagtgcagtg agattgagcc
120attgcactcc agcctatgca gcacgagtga gactacgtct tacaaaaaaa aaaaaaaatc
180tcggccctta aaacctttat ggtgtgtttt aagttcaagc ggaagtggga aaagtccttt
240gttggttttg gaccaaccac acttaaatgc cggcgaaaaa accgcttttt tgggaaaatt
300ggggacccta tgggtttatt taaagccctt ataggcgcga aaaaacaggt tagcaacaaa
360agtgtggttc ttttaatgtt ccagggttagg gggaaggggg ggc

403

<210> 2539<211> 406<212> DNA<213> Homo sapien

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60aaaaaaaaat gaagttttta ttttttaggc cccaatgggg gccggggagg tggccaaaaa
120cggggccccc agaaaaacc gagaaaattt ttgtgttaaa aaacacaaga ttttggcccc
180ccccagggt ttttgggggt ttggccaaaa cctcccttc tttgggggg cccttcccc
240ccccgggt tttaccccc aaaaaaaat tggggggggg gaggaactt tccctttttt
300cccccccgcg ggggttttt aaaaaagat atgggggggg ggcctccctc tctacccca
360ggaaaacctt tgggggcccc ccttaaaacc aggaggggtc agagcc

406

<210> 2540<211> 405<212> DNA<213> Homo sapien

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60gtcgggagg ctgaggcagg agaattcact gaaccaggga ggtggagggt gcagtgcagc
120aagattgcac cactgcactc cagcctgggc gacagagtga gactccatct tggggggaaa
180aaagtatata tatatacaca cacacagaca cacacacaca cacatatatc tctaaatgtg
240tgtatagaac cttttatcag tataacattg atttataatt aaatgtgggt gaggaagaat
300gtgtggagt tttcagaaat ttgatccta aaagccttt cagaaactca aagctttcag
360aaattaatag ttatattaat agccttctaa acagcattaa gtttt

405

<210> 2541<211> 403<212> DNA<213> Homo sapien

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60gttagaatct gtttttgaaa aaaaaaaaaa aaaccttttg ctttgattcg gggggactcc
120cccttcttaa aaaaccaatt ttaaaggata ttaggatgga ctttcaaacc caatatcttg
180aaaggcgatt tttaaaaaat tttagctcct gcctcccaa ttaggttaac ttggaccaga
240aaataggcgg agagcccca aatagagggt aacttaccta tttaaacgtg atctttcgac
300tttaaaaaaa aatgaaggcc cgtcaaagc ttccttagag ggcgttatg aacaaaaaaa
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403

<210> 2542<211> 407<212> DNA<213> Homo sapien

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120acccttgga gttggaagga cttttcccaa gggccaaagg ggagtggaag tccaaccggc
180cttggttaat aaccattact tttccccag ggaaggacca aacggattct tttttctct
240cctcaagcct cccaaacaaa aggtaaacca gcctgggcct attttaagtt ggacctggcc
300aaaccaagga tttttttaat aaaaaattta aaaggtccac cattagaacc cggataattt
360ttacccatt ttctttggcc cttatttttt aaccctcca agaagcg

407

<210> 2543<211> 406<212> DNA<213> Homo sapien

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120gtaacctggc ggaggtggtg gagcgtgtgc tcaccttct gcccgccaag gcgtgctgc
180gggtggcctg aatgttcgca tcttaccaca tacagttctt tacatggctg attcagaaac
240tttcattagt ctggaagagt gtcgtggcca taagagagca aggaaaagaa ctagtatgga

300aacagcactt gcccttgaga agctattccc caaacaatgc caagtccttg ggattgtgac
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406

<210> 2544<211> 403<212> DNA<213> Homo sapien

nnctcggcac gagaatccat tcccagggc ctcccggctt gtcccagccc ctcttttgct
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120ctgggcagct tctgtttccc tctgtgcctt gggagctgag gcacccgtgc cagtggcaga
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240aggggtctgtg ttctccagga gaatgagggt gttggtccca gaattgggac cggggccccc
300ctggccagcc ctgggccact tcccgggtct ccattgtgctg tgggtggcgt gtcccaggcg
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403

<210> 2545<211> 403<212> DNA<213> Homo sapien

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240ctcttttccct cccctctggt ctccattctc ttcagctccc tacatgggct ggggaggaga
300cacctggtgg gcagagctca ggcagaggtt tggatttcag ctccctcact tccggggctg
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403

<210> 2546<211> 404<212> DNA<213> Homo sapien

ggcacgaggg caagaggact cagactgtgg aacttccgtg cccccaccc tcaccaaggt
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120atttcaacgg ccaaaaaact tttttgtata acgagctcta tgtctacaat accagaaagg
180acacctggac caaagttgac ataccagtc cacctcagag gcgctgtgct caccacgcgg
240gggtagtgcc tcaagggtggc ggacagctgt gggctcttgg aggggagttt gcctctccca
300acggagagca gatctaccac tacaaggatc tctgggtcct gcatttggcc accaagacct
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404

<210> 2547<211> 402<212> DNA<213> Homo sapien

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60gtgcaattgt gatgaaagtc agtgggaacc agtctgtggg aacaatggaa taacttacct
120gtcaccttgt ctagcaggat gcaaatcctc aagtgggtatt aaaaagcata cagtgtttta
180taactgtagt tgtgtggaag taactggtct ccagaacaga aattactcag cgcacttgtg
240tgaatgcccc agagataata cttgtacaag gaaatttttc atctatgttg caattcaagt
300cataaactct ttgttctctg caacaggagg taccacattt atcttgttga ctgtgaagat
360tgctcaacct gaattgaaag cacttgcaat ggggtttccag tc

402

<210> 2548<211> 399<212> DNA<213> Homo sapien

cggtgtgtgc ggtgtggggg tggagtggct cttgcccacg cctctcacct ctgccttcat
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120tcagtctcct gccggaagaa atgggttgag cccgaaagga ggctgtctga ggaagggaga
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240ttcccttatt tcttctctt tcttttccac tctctccctt ctcttactt ctatctcccc
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399

<210> 2549<211> 398<212> DNA<213> Homo sapien

cggtgtgtgc ggccatgttg ccagactgg ttttgaactc ctggcctcag gtgatctgcc
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120cttcacttgt aaaagaaatt aggttaataa gaaggtgtag tttttgagaa atgaaattta
180acttttagcct tttcactagt aaatagtcac atctcatttt cttcctttgt aaaatgggg
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300gtgcatagta tcacatgtga tagaatattt ataacttttt attagatgct taatgttcaa
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398

<210> 2550<211> 401<212> DNA<213> Homo sapien

ggcacgaggt actgcttcct ccaaccaggt ggagaatcct ggcaagcact acctcagcca
60gagatttaaat gttgatagta aatgcatgta gaaatggatc catctggaaa catagagata
120ggaaaacatg attcttttac tttttttttt tttttttaag ggaaggggct aattttgtca
180cccaggctgg agggcagggg catgatctaa gctcatggaa agggcccttt cctaggctaa
240aagggccctt ccacctaagc ctcttgaaaa gtaagggata aatggaaagg ttttttttta
300ttggatcttc ttattggggc acgggggacc ctgaaaaaaa ttttcggggc gggctggggg
360gttaacacct ggggccccac cacttgggga ggctggggcg n
401

401

<210> 2551<211> 395<212> DNA<213> Homo sapien

ggcacgagga ggcagtgtg atagtgtgt tcgggctctt cccacgaaac tcggctctgc
60acagttagac ctcatttcct ggttctgttt gatgagttag cgaatgcaca tggcaggcgg
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240tgggagacag accatctctc tcagcgggtc cagccatgag ccagcagact gtttccatt
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395

<210> 2552<211> 396<212> DNA<213> Homo sapien

gagtgataga acataccaac gttaccaaga aatttacaag ctgctggctt taagcttatg
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120gcaaatgaa ggaggaagcc tggcttaaga agatactgtc tttcaataga aatgatttct
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300cttgtcatcc ttgtatgtaa aatgggtgct ggggggtggag ggggtataaga ggaggagag
360tcatagagag tgtgtatggc tttgatggca ctgggt

396

<210> 2553<211> 398<212> DNA<213> Homo sapien

ggcacgaggg aggctacaga tgcccctgag caagtcgagg agattctgga tcacagttag
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120cagcagggtta ataagttagt tcaactgggt ctagacaagg aaagaaagtc tcaaggagct
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240attaccagtc cagaagaaaa tgaaaacaac caacaaaaca aggactatgc tgccgtggct
300tanaacattt ttaaaaagag agtatatgga tcgcaagaaa aatgaagggt tatcatactt
360gaaagataag cacatagtta ttgctgaata taatgtgg

398

<210> 2554<211> 395<212> DNA<213> Homo sapien

ctcaagtttc ttgagttgct gcttgtaaac acccagcttt taactgagtg tttgctcctg
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120ctccgtggat gtgagtttga aacaagcacg gtacagtaat cctgcctgat agagttagtct
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360gttttgtgtt gccatgttaa gcatggagag ggatg

395

<210> 2555<211> 398<212> DNA<213> Homo sapien

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60cggctgggct ggggagggga cagccgccac ctgaggggta ttttccctc tccccctccc
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240ttataattat gcggggaaaa agtaaaccca ttaaacgatt ccagttggaa acaaaaaaaa
300aacctttaa aactataggg ggccggttcc cgtaaaccca aactggataa aaaccttgga
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398

<210> 2556<211> 398<212> DNA<213> Homo sapien

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120ctcagagatc tagacagatg gagtctttac tatcttatga tgttgctgct tcaacacaca
180gcttctagag ttctctgtgg gggataaggt gtaaaaact taaactttct cttaaatgct
240ttggccctgg ctagcatcag tcctatgaat ctctctcagt gctagggagt tgggatgtgc
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398

<210> 2557<211> 401<212> DNA<213> Homo sapien

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120cttttaaactc taccattcat tatgtggtaa ctgtattgaa ctactttat ttggatttta
180ttttaatgtg actagatgct accacttcaa aaaatcaatt tgttcttaga acctgggtga
240aaataccagg aaactgttac agactccatt tcaaaaaaaaa aaaaaaaa aaaaaacccc
300ttggagcctg ggggggggctc caaaaaaac ccccattttg ctgaaagggg ttttttaaaa
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401

<210> 2558<211> 400<212> DNA<213> Homo sapien

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120ggacgccatc tgccagcaga actttgactg gcgggtctgt ggtgttcacg gcacttccca
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240cacgcagacc cacacgatgt tcctggcccg ggtgctggtg ggcgagttcg tcaggggcaa
300tgctccttt gtccgtccgc cggccaagga gggctggagc aacgccttct atgatagctg
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400

<210> 2559<211> 400<212> DNA<213> Homo sapien

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120ttcatacagg tcttatacag ttctagtgtt ttatatctac agattttatc tttttgttg
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240caccctccc acatttgatt gatagacttc ttgatccctt ttgatctctc ttcctaccc
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400

<210> 2560<211> 396<212> DNA<213> Homo sapien

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120ccaccgccc tggaagccc ttttgaaag cctatacggc tcagacatcc gagagcatga
180ccccaactgc cacttcagag acttatttga aagctttggc cgattgccat ggacctctgg
240accactatga ttttctgac aaagtcacg agctaaagga tgatgaacat caaagaagag
300tcatacagt tttgcagaaa ttacacgagg accttaaagg atacaatata gaggcagaag
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396

<210> 2561<211> 397<212> DNA<213> Homo sapien

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120gatcccaagc tcagtcccca caaagttag ggccggtcgg aggcaggggc aggtccgggt
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240acccagggg cctgccttag gcctccaact tcaggggggt gggtaaaggg cgccgctca
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397

<210> 2562<211> 401<212> DNA<213> Homo sapien

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60gagcttggg cactgctgct acagcacggg gcctccatta acgcttctaa caataagggc

120aacacagcgc tgcacgaggc tgtgattgaa aagcacgtct tcgtggtaga gctgcttctg
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240gaacagaatt caaaaataat ggaattgctt caggtggtag caagctgtgt tgcttcatta
300gatgatgtgg ctgaaactga ccgcaaggag tatgtcactg ttaagatcag gaaaaaatgg
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401

<210> 2563<211> 391<212> DNA<213> Homo sapien

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60ttaaatatta actgcaatta ttattattat catcattatt gcagtctgag atatctggcc
120tgaatttata aagttaggaa gctctgtcat tgcacagaaa taccttgttc tcaggagagt
180cactaaccga agtgcttctg taaacaaggg acataagcag agaaggggta tgtaagtaca
240gaaaactcat gattacctgg ggaatagtta aatagatttt aggtattagn tggttttttt
300ttcctctctc tctctttggg ggaatttttc tgtttactga gtcattcttc attaaggggt
360gaggtgtcaa aaattagaca aaacaaacta g

391

<210> 2564<211> 394<212> DNA<213> Homo sapien

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60agattctcct gcctccgct cccaagtagc tgggattaca ggcagcgcc accacgctg
120gctaattttg tttttttagt agagatgggg tttctccatg ttggtcaggc tgggtctcaa
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240agccaccgag ccggctgcct taaatctatt tatctgactg tcccaactag gaaattttt
300gtccaaatga gtatatgtga ttttaaagta gaaatcgaag gtaaaatagg atttatctca
360gntcctatct cccttcaatc tattcttcat attg

394

<210> 2565<211> 393<212> DNA<213> Homo sapien

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60ggatcacctg agatagggag ttgcacacca gcctgaccaa catggagaaa tctcgtctct
120actaaaaata cacaattatc caggtgtagt ggcgcatgcc tataatccca gctacttagg
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300aaaaaattgc aaatgtagt caccctgtta tgtttcatga ctctgaaagt gttatgtgtt
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393

<210> 2566<211> 394<212> DNA<213> Homo sapien

atccgttgct gtcgattcag aaactgattt tacttttatt gcagtacaaa ttatattatt
60aagcaggggt cttgttcagc catgaaatgc agatgggctg tttaatatgc acatacatga
120cattttttat taattttggg ggtcattaca atgagttgaa tttaaaaagt ggggttaatgc
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240cagaaatatt tgaatttcat gtttagttaa gcaaaataag caaaactggg agaatttaag
300gtggcatctt atttactgct ttccagtagg attataatta aaaatttact gaatgaagtg
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394

<210> 2567<211> 391<212> DNA<213> Homo sapien

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120gtcactgggt tggctttttc tttcatgcag cgagtctgac agtgacctaa agcctgtggg
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391

<210> 2568<211> 392<212> DNA<213> Homo sapien

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60cggctgggct ggggagggga cagccgccac ctacgggtta ttttccctc tcccctccc
120tccccgccaa gagctctgcc aggggcgggc aaaaaaagt aaaaagaaaa gaaaaaaaaa
180aagaaccaac ccacctctac atattatgga aagaaaatat tttggccgat ccttattctt

240ttataattat gcggggaaaa agtagaccca ttaaactgatt ccagtgggaa acaaaaaaaaa
300aacctctaa acctataggg agccgtttta cgtaaaccca aactggataa aatccttgga
360ggagttgggc caacccccac ctaaaaggcg gg

392

<210> 2569<211> 393<212> DNA<213> Homo sapien

ctcgggaggc tgaggcggca gaatcacttg aatcatagag gtggaggttg cagtgaactg
60agatcgcgcc actgcactcc agcctgggca acagagcaag attctgtctc aaaaaaaaaac
120aaaacaaaac aaccccccaa aaaaaccaa ttaacattct ttcaccccg atttcctaga
180ctttatttta gctataacaa gcaaacacc tcttccatc cttctaaaag cgtgttcctg
240aaacctcact tggagagttt tacggaaatg cagcgacagg actggaaata atgacagcaa
300agccaaacaa gttgcaagca aaataaaaga acaaaccttg aacgacaaag tttccccc
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393

<210> 2570<211> 393<212> DNA<213> Homo sapien

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60gccttttttg gggggggggg gaaaaaaaaac caaattttcc ccttcctag aaaagtcaaa
120acaaggtttt cctggaaacc ttttcaagaa aaagtaaacc aggttggttt ttgaaccttt
180ggccattttt tttttttaa aaaagcaaaa tccagcccc aatccttttg aagggttttg
240aaacccccaa acccccgagg aagccctcca ttttgaagg gggaatttg agaaaaacct
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393

<210> 2571<211> 391<212> DNA<213> Homo sapien

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120ggtaggaatg tacctggtga tatgaggcaa ggacagggga gctggggcag gtgatgcagg
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240ggccagagac ctgggtctac agggcagaca tcaaggctga gccagtcaga cagtgtttgt
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391

<210> 2572<211> 394<212> DNA<213> Homo sapien

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120aaaccagggc cctctttttt aaatattccg ggtaccccaa gcgggccagg gggttttggg
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394

<210> 2573<211> 391<212> DNA<213> Homo sapien

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120cactgggccc cctcccctgc tgggcaatcc tgggaaggct tggaggttcc tgtggacctc
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391

<210> 2574<211> 391<212> DNA<213> Homo sapien

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120gaactttcag agaaaccagc tgagtctgtc acttctaaaa agacaggacc ccttagtgcc
180cagccctctg ttgaaaaaga gaacttgcca atagaaagtc aatcgaaaac tcagaaaaaa
240gggaagatat ctcatgacaa aaggaagaaa tcaagaagta aagccatagg ctcatgact
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391

<210> 2575<211> 392<212> DNA<213> Homo sapien

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120ggaggcctct ctgcgcttca ctctgccggg ctccggcact gaggggcccg ccaagcaaga
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300cttcgccttc cgggaggaca agcagaggaa gctgcagcag atccaggatg ccagaaacca
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392

<210> 2576<211> 391<212> DNA<213> Homo sapien

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120acatgtctaa ttatgatgaa gaaggagcat ggctgttct tattgatgac ttgttggaa
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391

<210> 2577<211> 392<212> DNA<213> Homo sapien

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120accatgtgtg gctacaaaac tatcgacaag gagcgtttca gtgtgcagga tgtcatctac
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392

<210> 2578<211> 392<212> DNA<213> Homo sapien

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120atcgcaacct tgggtggtgg ccagctgctc ctggtgcagt ggaagcagag gcacccacgc
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392

<210> 2579<211> 384<212> DNA<213> Homo sapien

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120tatcaagcaa cagcatgcc acaactttgc ataaataaaa aataataacc tgagcctttc
180atcttgggaa tctaataaaa taaatgtgtg ctgttttccc cattagccct caccttagcc
240agcccttaca ttgtggacag aggagtgtatgc cattattttg tgagctagat gactggctca
300gtagggtgccg tgtggttcc aagaagattg taggtcttgc cattgcgtct tgtgtctctt
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384

<210> 2580<211> 385<212> DNA<213> Homo sapien

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60ctgaggctgg taggggaagg tgattctttc taagttacct ctgtattttt caagttttct
120ataaggaata cacatacacc cacatgcaca caccatagtt tttatacaaa cagcaataac
180aaaacaaaa agatgcccct tttttttagt ggataagaaa tacatttgtt ttatacttct
240atgctatatt ttgctattca aaatttagtg ggcattactt aacattgttt ctaattattt
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360tataaagaaa tacctgagac tgggt

385

<210> 2581<211> 388<212> DNA<213> Homo sapien
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120ttcaaccatg agcaacattc cttacatctt aatggaggga aacagagctt aaacaaatga
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388

<210> 2582<211> 384<212> DNA<213> Homo sapien
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60tgtcccatga aacaaaaatt ggatcttttc taagcaacag aacttttagat ggcaagaca
120aagctggcct ttgtccagat gaagatgata tggaaggaga ttctttcttt gatgatccca
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240tgccctcgct ctccgatgca ccccccttaa aaagtggact cagctccctg gcgggagccc
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360tcagtataa aattggatca cttg
384

<210> 2583<211> 156<212> DNA<213> Homo sapien
nnctctgatt tgagaaaagg gaggagggga agatagtctg aatggaaatc tgaaatacgg
60aatgttttag agaaatatgt cacttgcata tagaatgttt taattgaggt ataaaataat
120gagacaaagt gaaaaagaaa ttatattcag ataggn
156

<210> 2584<211> 389<212> DNA<213> Homo sapien
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120agttgctcgg actcaaactg ccagtcctcg tgcgaccgag ctgggtcggg agtgagcagg
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389

<210> 2585<211> 386<212> DNA<213> Homo sapien
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180aaactgaaac ccagcctgtg tgggtggggc cttgtttcca aacgtcagcg ctgctgcccc
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386

<210> 2586<211> 385<212> DNA<213> Homo sapien
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120ctaaaagtta tttcaactaa tttgaatatt atcgcaaaaa gtttacttga gaaaacaagt
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385

<210> 2587<211> 387<212> DNA<213> Homo sapien
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387

<210> 2588<211> 384<212> DNA<213> Homo sapien

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360gagggcctgc ggcggcgctt ggaa

384

<210> 2589<211> 389<212> DNA<213> Homo sapien

ggcacgaggg caagtggga agatgagatg ataacaatgg ataatgcaga agaatatgtg
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120gatgggttta ataaagtttt tccaatggag aaattaagtt ccttcagcca tgaagaagtc
180caaatgattc tttgtggaaa ccagtcacca tcctgggcag cagaggatat tatcaattac
240actgaacctt agctgggtta tacacgtgac agccttggtt tcctgaggtt tgtgaggggt
300ttatgtggca tgtcttctga tgaaaggaaa gcattcttgc agtttaccac tgggtgttca
360actctacccc caggtggact ggctaacct

389

<210> 2590<211> 379<212> DNA<213> Homo sapien

ggcacgaggt tcataccaac atttattaag acttattttt cagtggctct caatcacaga
60acaattaagc aaccatatac aatttaacat acctgaatat gagaaacaca tttaaattca
120ttgttggatt aaacacattt caaatggaa agacaaatat ttattttact gacctaaaac
180aacactacct atgaaattca tgcactattg ctttcagatt acttacagga ttatatcaat
240ttaacatttc tttgtgagat taagcatttg aaatccatag tcagagaact attttaata
300tgagccacta attaacaaaa tatacatata gcttctacat ttccatcagg ttatgtattt
360tctagagact acatgaccc

379

<210> 2591<211> 379<212> DNA<213> Homo sapien

cggttgctgtc ggctagagtg aatgagcctc aagaaaatga cccaaggagt tgactcagga
60tggtttacag actgatttag aaaaccagaa cggatttcat ttctaattga gggggccaga
120gatgggaaaa tttcttggtc agtccgggga aacacacctt ggtgctgggt atgggcttat
180gaaggaagct aagcacggct gctcactggc cccactttg tttcttgggt aattcacagg
240ggaattccca gtactgtcat ggagcagagc aggcagtggt tgctgatgtg tgtgcatgag
300ctgtatgtac acatgcatac atctgttaca gaagatactc ctggcagtgga ggtgctaagt
360catcactgag gctgtgtgc

379

<210> 2592<211> 380<212> DNA<213> Homo sapien

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120cccttctttg tcttcttgct gtttcttta ttctcacgc ctgcggggcg ggggcggggg
180ggcgcccagg acgactcccc gggctcagct tggctgctg cctccttctg taagtgtttt
240tttttcttc acctgggacc ctctanaggt tggaaagaga agagaggctg ggagcggatg
300gaaagcatga ctgcatctgg agccctggg gggagtggg aagagggagt ggaaggacag
360tggtgaggg gcttctgtt

380

<210> 2593<211> 381<212> DNA<213> Homo sapien

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120gtaaaccaag agagtagaaa tatacccatc ttattttaag ttgggtttat ggcatcgctc
180atatatgtaa aagcactaca aactctttaa agaaaattgg gaaactacag agaagtcaaa
240gaaaaaaaa agtaacccat atttctattg ccagggcata atccttgta aaattttggg
300ttggcctcct ctttttcccc caatatagtt gcaataaat gatgtcttcc agagttgaca
360ttaatcctgg agcttgaatg g

381

<210> 2594<211> 380<212> DNA<213> Homo sapien

ggcagcagcc aagactcctg tatgtaatgt agcagctacc tcagctgggc cctgtggtga
60aggaacagag ctgacatctg agcctcaaaa atccagccca ttgttaacta gattaccaga
120atatcctccg cttctgaaa acattcagta ttttcaagat ccaaggactc agataccctt
180tgaagtccca cagtaccac agacaggata ctatccacca ccttctcctc tgttcagtgt
240aaacttttctt gcggatttct cagagagtgt gagtgggtaca aactttgaag aagatcatct
300ttcccatat tctccctggg cttggggcac catcggtccc tgtataaatg ccattgattc
360agagcccaaa gatgtcattg

380

<210> 2595<211> 382<212> DNA<213> Homo sapien

cgttgctgtc gctgctgaac tgtttttgt gcttcctcta agcttttctt ttgggtacaa
60agtttcttaa ttttctattt gagatttaac ctctgcttaa tttatttttt taaaaatata
120atggtcaact aaatgtttcc ttatgaaagt gaaattggga aaagtcaaga taaatcctag
180aaactatttt gttttaagca aaatgagggc ttaaaacttg caacttcttt tccatttgaa
240atttggcctt ctgtggtgct ttgcaactt ttgggtgtga tttatcctgt cattcataaa
300ttatggcaca tatgtggag ccaaactctgc cattaataaa attctcacat aattccctac
360attcatttat ttcactaatc at

382

<210> 2596<211> 379<212> DNA<213> Homo sapien

ctccttcaga accccaccca gtgttggaga agcttcggtc cattaataac tataacccca
60aagattttga ctggaatctg aaacatggcc gggttttcat cattaagagc tactctgagg
120acgatattca cgttccatt aagtataata tttggtgcag cacagagcat ggtaacaaga
180gactggatgc tgcttatcgt tccatgaacg ggaaggccc cgtttactta cttttcagt
240tcaacggcag tggacacttc tgtggcgtgg cagaaatgaa atctgctgtg gactacaaca
300catgtgcagg tgtgtggtcc caggacaaat ggaagggtcg ttttgatgtc aggtggattt
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379

<210> 2597<211> 375<212> DNA<213> Homo sapien

cgttgctgtc ggtggtgatc tccttatcta atggatgaat gtcagttatc tccagctttt
60gcaattatag cagtaaatgt agcaaataca aagccatatt gggcttgttg aaaatatctg
120taagataaat tccttgaaat taaaatgatt acgttctctt ctgtggatct tagctggcac
180attccccctta cacacatttt ggcactcttg ccttctttct gcctctcatt ttctgttctt
240actacttaat gccattttgc ttccatcttc tgtcactact gcctctactt ccacttaagc
300tgcagaattg aggtggggcc ttagacctgg tatgtggagg agagaatgat taattatacc
360tggttcatgc tttag

375

<210> 2598<211> 378<212> DNA<213> Homo sapien

cgttgctgtc gctggagtct cttaaaattc acacttgtag cagagccagg catcacagag
60cacatactaa cttttcagca tctggattcc ttatatatct ttctctcac catgaacagt
120taagtgtagc agttcaaagt tccagctctg gaggcagagt cctgactctg ttaggcagg
180tcttaatctc aactataaaa tgaagttaca aacattgagt gcctcatagg gccagtgtta
240agattaaatg aaataaatat aaaccatttg gcatgggtcc tggagcgtgg ttaagtgtc
300agtacgatga tgtccctgag atcagagatg tgccttagat atctttttga ttcagtacca
360tcacataacc tcagagag

378

<210> 2599<211> 374<212> DNA<213> Homo sapien

cgttgctgtc gcctagttag tgttttaaca tgaatgtcta attcatggcc aatcttattt
60catctgtact tcttcacat cccattctt acaaaattat ttttatttaa aagaaacatt
120tttaactttt tatttttaaa atttgaat taatgattaa aaatgttact tttataaaag
180tgtaaatatt cagtatttaa aagataattt taaaaataac cacaatacaa ttttctacc
240taaaaaattt taatgagttt cttagcaaat atccaagcca tttttgtatt tctctgatag
300ttttataaat ctgtatgtat gtgtttagt acttttttga attaagattg aaataagatt
360cataaaatca ctat

374

<210> 2600<211> 375<212> DNA<213> Homo sapien

ggcacgaggg gagggccccc ggaggggtctc aggcagcttt gctgggagtg tccacatcac
60cctgaccccc gtgaggcctg acaggacccc acgcccagcc agcccaggac ccagcctccc
120agccagggtcc ccctccccac cccaccgcag gagactggcc gtccctgccca gcctcgacgt
180ttgtgacaac tggcttcggc cggagccccc tggccaggaa gcccagagtgc agagctggaa
240ggaggaggag aagaaacccc accttcaggg caaaccaggg agacccttgt ccccggccaa
300tgtccctgct ctgcctggcg agacgngac ctccccagtc aggtgcacc ccgactacct
360ctccccggag gagat

375

<210> 2601<211> 377<212> DNA<213> Homo sapien

ggcacgaggt cctgtccgt gtcattatca agcgtaata aagcactatg gcaggcacca
60gactacaggc ccttgggaac agccttctga gccagcattt attcacactg cattaccgtg
120tcctccatgt caagtcccta ttcctacgga atgacttggg aaacatgagg tgagtccact
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240tcagaatcac acatgtatga cagaatgccaa caaagtaact catgctgatg gctgcactgg
300ataaaacaag gctgtgccag aatgccttca ttgtaggaa gggagctcca agtcacggcc
360actaggttgt cttcacc

377

<210> 2602<211> 372<212> DNA<213> Homo sapien

gtgggcatgg tggtgctaac cgacctcaag gtggccacct ccctgctgct gctgctcttc
60gccatcttca tgggcctgcg ggccctcaag atgttcgggc agcggcgcaa cgcgcaggcg
120ttggagctgg cgcacatgct gtactatcgc agtacgtcca acaactcgga gctgctcagc
180gccctggccc tgcgcgcgca ggacgagcac accaaggagg cgtgctggc tcacagcttc
240ctggcccggc ggccaggggg cactcaaggc tcgcccgaag agacctccag gtggctccgg
300tcggaggtgg agaactggct cctagccaag tcaggctgtg aggtgacctt caacggaact
360cgggacctgg cg

372

<210> 2603<211> 371<212> DNA<213> Homo sapien

ttcaattccg tgctgcttac attttctatc ctttatagga ggccgagctg cagggggggg
60cctgtcttct ggggggagag ggtccctcaa ggagcggagg cagctggaga cccctggagg
120aatcttgag ggtggggac gtaagacagt cccatggaac aaataagatg gaaacagctg
180caacatata ttttccctt tagagatcca acctattcc attataata aactgagaag
240ttctatatca aatataactg cctgtaacat tttaaattgc ttcaatctga gtttaacacc
300cacctttcct ttcattctct agcaaataat cttaaagctg tatctaact gacgtcagaa
360aaattacaat n

371

<210> 2604<211> 353<212> DNA<213> Homo sapien

tatctgctgc gagaagacga cagaagggtg ggtgttacga gattgggaga cttttctcag
60catatctaac agaagagggt atccgaggtg agagtgtgag gcctgggcaa gggttgggag
120gcagttctaa tactgaatgt tctgactgtg gtttactatg tatttcaggt tattttgttt
180aatctatcca gtaatccttt catgtaacaa ttatgatgtg tgtgttttag gtggggtac
240taaggctagt aagtagtgag gctggattta aacttaagtc tccagcttcg tggccaggt
300cttttatact tgactccaca ctgggcttat taagtgaatg acaaggagtt tgg

353

<210> 2605<211> 342<212> DNA<213> Homo sapien

actacggctg cgacaagacg acagacgggc tagctaacgg tcgctccacc catagaaacc
60aaagtttttt tggcgggtaca gggaaattat aggatgttac tgtgcccccc accccatta
120ttagctgcgc tatccgcagt gacatgacca tgtgtccttt cttgatgggc taagtaccag
180cagatgcgat catcagtgt aactcaagac aatatctgaa ggctgggggt gctgcttttg
240ttcacatttt ttttttttaa ataggaaaaa aacttggaag cttgcagaaa tcttctgtg
300acattttatt ggctggatta taccacatgc ttatttctat ac

342

<210> 2606<211> 335<212> DNA<213> Homo sapien

tacggctgct agaagacgac agtagggctc atgaggaaga ggaggaaaag agcattaccg
60ctgtttgtca catgaggatt catttgaga tagtatgaaa atggaggcaa tttttccagt
120ctcaagaatg gtaaaaggca caggtgggac ttgaaccag actcttggct tcaagtccag
180agttttctca tgcaccagct acccctcaac aggatttgac tatcctgcag taaccctaga

240ggaagtttag tccttgggac gcttggcctg ccagtctctg aaaaaaatat gatggggatg
300gtgggtggtag tagtgacgt tgggttgagg ggaca
335

<210> 2607<211> 331<212> DNA<213> Homo sapien

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60cttgagaaaa gtttaaacat gccatataaa tcaaaatatt gatgacatta attaatagca
120cttaattctg actttgactt tttttcaatc ccattagttt actttcattt cttacctaaa
180atttgttttag tggtaaatag aattctgaac ctaatatatc atcttattat tttctgctca
240atgtgtaaca ctagtctgac tattttattc tttttttttt tttttttttt tggaaaaaag
300tttccacttt tggccagggt tgaacgccc g
331

<210> 2608<211> 457<212> DNA<213> Homo sapien

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60agcacagcca acggaatttg attgaaaatt gaatttgatg aaaatgatgg gccaaagcaca
120gtggcagatg cctggagagc cctcaagaat ccagcattg gggaaagcag cattgaaggc
180ctgactagtg tattgagcac tagtggaagc cctacagatg gacttagtgt tatgcaagggt
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300ctctccagtg gcaagggaaa atatagcagg ttataagttc aagccgatgt ccaaaaggaa
360attttcccca aagacacagc cagtcttggg gcaattagt acaacgcaag cactcgtgct
420atggcgggtt ccataatcag ttcctacaac ccacagg
457

<210> 2609<211> 429<212> DNA<213> Homo sapien

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60gccgttaaac agagagttat cttaattttt attgcagtag gaggaaatat atttaaaata
120ttttagatg tatagcaaat agagactcgt tttttaaag ttaaataaca atttgttctt
180ttgtgtgttt tgccagttta gggcagaagc tgcttttgtc ataaatatct tcctaccaca
240tcaaaaatgc tgctttttaa atttttgtt ataaattgag aaggaatttt ctctctataa
300gattgctgca ttgaacagat caccattaaa aagaatatta gaatccagca tgaagataat
360ggctaataaa aatgaggtag atactctata acaccattaa tcagatttga atgaggaatg
420cttcccacc
429

<210> 2610<211> 425<212> DNA<213> Homo sapien

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120acttgaaccc gggaggcggg ggttgacgtg agccaagaca gcaccactgc actccagctt
180gggtaacaga gcgagactct ctcaaaaaaa gagcaacaac aacaacaaaa aaaccatag
240ccatattggt tgagtaagga aagacagagt tgctatttgt tgagatgggg atgacagtga
300caagagcagg cttgcggtgg tggaaagtgc aaatgtaagt gttcgatttt ggatatactt
360aatttgaac gtcattatac aaccaagtgg agatcttgca tgtacactgg agatacatgg
420caaaa
425

<210> 2611<211> 420<212> DNA<213> Homo sapien

caggtagggg ggccaccttg agtgggtggc ccagagactg cctcagggt ccaaggtaac
60gggggtgctca gggtatcttg ggtgctgccc tcccagggtc tgggggagca aaggctgggc
120gctggcccaa cttacaggaa acactcacct ttgaactgcc attggcacca tctgggcagt
180acacagcccc acccagggcc tctagttctt gttctcggct tacaatcttt gtgttctg
240ctgagaagcc actgcctcct agtttgggt ctctacagat atagccagg tggacttcg
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360aggataacat gagttaattg agggcactta acactacctg gcacagatta agctcatctg
420

<210> 2612<211> 419<212> DNA<213> Homo sapien

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120tttgggtttt gtttttttcc ctccactaca cagtactgca tgccatgtga gcaagatccc
180gacacagaat gaagtaacca gtatctttaa ggcaaacaag cagatcagta gaatctgatg
240atttcagggt caaagaaaag aataatttta atgcaatccc tcattaccac agccatggca

300ctggcctcat atgggtaagg agatttgggc aaccttttgc aggctgatga aattttggag
 360cctaaattgt aaagtactg ggccctcctg ctgggtanaa ttcttttggg atttctgag
 419

<210> 2613<211> 420<212> DNA<213> Homo sapien

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 240gacttggcac taagctccat gctgagacac caggctatgt gggcccccac cttgtttccc
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 360gcctgggccg cagcccagnc agtattggag aggcaagcag agggcagtgg gtctcccaaa
 420

<210> 2614<211> 414<212> DNA<213> Homo sapien

ggcacgagcc catctcctgt tctcacaatg tagcaaaaac ctctacagtc attgtcttca
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 120cagccttcgt tacgtggttt acctaagggg cctactcatg cttttagttc tccttcagaa
 180tctccagatt ctacagttga cggcagaag tcatcactgt caaataattc cctgaaaagc
 240tcaaaaaatt catctttgag aactacttca tctacagcaa cggctcaaac agtgccaatt
 300gatagctttc ataactgtc atttacagaa caaattcagc agcattcatt gccacgcagt
 360agaagtcgac agtcaattgt ttccccatct tccacaacac agtccttagg acag
 414

<210> 2615<211> 414<212> DNA<213> Homo sapien

gacaacttga gaaacaaatg agaagcccaa ggaactgtga gcaattaaaa gcaaaccgcg
 60acaccgtgtg tctccaccac acatagtgtg ctttggagc acaacgtcca ggctgggtacc
 120gcagcgccat gcccttctct cgctcattc ataggacact tcaactgccat tttctattca
 180cataaaagaa aaataaatgt ggaaatttca tccttggaaa aaaaaaaaaa aaaaaaaaaa
 240aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaanaan nnnnnnnnt tggggggggg
 300ctttttttta aagcaccag aggaaaaata gcttgggggg ggtgtgcccc acccccaaaa
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 414

<210> 2616<211> 402<212> DNA<213> Homo sapien

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 120ttcttattaa aaagaaacat tctaagtaaa cataacgaaa tattaattct ggggtggtgt
 180aatattttgtg ttcattctat cattcgtgct atttatttcc ttaaaactct gaaagttaaa
 240aagtccagat aggagtgagg aagctgtaca tgaacataa tggacttaca ttcctagtca
 300gatactaata ttctgtagaa gatatttcta aaatcttctc tttaaaatat gaaataattt
 360ttaattgggg tggaactta cattcaatta aaataactca tn
 402

<210> 2617<211> 409<212> DNA<213> Homo sapien

ggcacgagat tacatagtga catatattat cttttcgtcc acatttgata acattgctaa
 60tattttcttt ttttttact gaagctcttt gaatttaaag tttctctca tttaaattta
 120ttaattaaaa acataccttt actctgttcc ctttagcatt tcaacctgat gttaaaagat
 180gtgtatgcgt gatatgtgtg ttgaaattt taactttcat cttgaagtat ttaattctct
 240gaagcagtg atgactcttg ctcttcagcc tcttgagagt ggccctgggt tatattcctg
 300atgatacaaa ccttgggaatt tcttgtctga agtgtaaca ctttatttcc aggtccta
 360ttgatttgaa tagtgggaagt tcagattcaa tgcattaatg acagattcn
 409

<210> 2618<211> 406<212> DNA<213> Homo sapien

ggcacgagga aatctatgta gttaattctca ataaagaaat cattttggat aatttaaaac
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 120ttgcttttaac taatcctatc attaaaaatg aaatgattt tgctttttta ttgcgcaag
 180tagcataaa gatagaagc taattaatg aagctaattg caataagggg tagatagagt
 240agtatatgtg ggggtgggag ggtatgggag tntnannntn nttnnncnact gatgttctgt
 300gttattggaa tggtgaacta aatttaatat agctacttaa tatagagcgt tcttgagaca
 360aattattacc gatgatgatg acctaggtgg aaactttcaa ttacat

406

<210> 2619<211> 402<212> DNA<213> Homo sapien

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60aaaggcaata gtaatagagc atttcaaadc actttgttgt ggatttataa ggatgtttct
120tcgttgggac aagtcattcc tctgtggag gaacactacc tcatttttgc attaagaaaa
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240atcatgtcaa aacatttatg aaaatgttcc gtctctccct tttccaaagg ccagaagttt
300acccctgtat gtggcaggag atatgagttt atccttggtt ttattatttg ataaatggat
360ttaagttaaa atatattgca tttagcaaaa ttatagtata an

402

<210> 2620<211> 412<212> DNA<213> Homo sapien

cggtgctgtc gctcctcaaa aaatgatata gttcccaaag agaggtgtca gtgtcttgaa
60ccgtcaagtt caagaggcca tcagactcaa tatttactca ttccttcacg aaataagtac
120ttaacaaaaa gctgctgcat gccaaagtcac tgtgctaggc attgaggatt cagctctaca
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240acatatagtg tgacacattc tacagtgggg gaatccaggg ttctcaggca gattgtagga
300gagccacttc atctagatca cttattttca gtgcttcaac tgtgttttca atgaagatgt
360cactttgaaa ataatacttc taatttatgc cccaagtgtg ttgcttttac tt

412

<210> 2621<211> 403<212> DNA<213> Homo sapien

ggcacgagat ccaattatct ctataaatcc cattgatttc agggaaactga atttgatagc
60caggaggcat tccactgggt tcttaaagga cattattggg tttcattttg ttttgttttg
120atttcaattg caactcaaac aatgaatctt ccaaagatgg ttaccctcac tctacaaaaa
180tgctaagtta atattcttta aaataaatat aagcatttct tggactagat accatcaact
240ttaattttat ttttctcaca taaatgttaa ccaaaaacta aatgataatt tccttctgtc
300acacagcaat tccaatgtgg tggaacaaaag tgttatctca agtttcacag agcaattgtt
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403

<210> 2622<211> 404<212> DNA<213> Homo sapien

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120aataacagac atctgctcta gttcatgata aaatgttgat agattttatc aggtgggttag
180tttgaaacta aatgggttac atctaaatta agggcaggag ctgtctttca gacattcaaa
240acgcatttgt gtaaaatgac aggtgtttgg tattaccagg aactcataat gacattttaa
300taattattgt cttaaattca taatcgaagc gatttttagag tagttaactt gagatttcac
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404

<210> 2623<211> 408<212> DNA<213> Homo sapien

cggtgctgtc ggatttgtaa ggaaaactga ctgtttttta ctgtggtgct tttcaaaagt
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180tacagtgtgc caagattgtg ccaactgcact ccagcctgga tgacaaagca agacctctc
240ttgaaaaaag aaaaaaaat ttcaaggcat tgaattctgg gttagccaaga aaaatggatg
300gatgcctaaa cccacatctc cctacataac cttccaacaa aatatagaac agcaaaatca
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408

<210> 2624<211> 409<212> DNA<213> Homo sapien

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120tcttagctgt agctacagat atagaaaatt ctaccattga agatcttgta taaccttact
180tcagccactg aaataattta aattataaat attacatgtg ggtttgacta tcacagaaaa
240taaaatgatt atagatccta aaaacataaa ttcctgaact ttgcaacct taattcatag
300gtactactaa tactcttact acagatttta taagtacttc cacttataga cagaagagca
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409

<210> 2625<211> 416<212> DNA<213> Homo sapien

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120gcttgtgtcc tcctggactt gaattaagta gaaagtactt acaactcagc acaaaaaga
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300ctctactaaa aaaacaaaaa ttatccgggt gtggtggcag gtgcctgtaa tccagctat
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416

<210> 2626<211> 414<212> DNA<213> Homo sapien

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120tttgggtttt gttttttttc ctccactaca cagtactgca tgccatgtga gcaagatccc
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300ctggcctcat atgggtaagg agatttgggc aaccttttgc aggctgatga aattttggag
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414

<210> 2627<211> 418<212> DNA<213> Homo sapien

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120aatcagaat tgtttaaaac attgtgctgg ccaaaacaaa aaacatgttt gccagccagt
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240aatggatttg catttttgta ctctggatgt aagttttatt ctgcctctcc tctaagacta
300cttttagatg tatcttctc ctcattccta aataatcctc agggattact tttctcact
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418

<210> 2628<211> 407<212> DNA<213> Homo sapien

gttcaggcag gtgcttagca attttacaat ttccacaagc ttctgttcag ctcaccattt
60cgttgatga atgtgtcatt tacaagaag tctgaaatgg gaagctgagt ttgaacaggc
120ttagccatta ttcacctcaa attggacctt attatgactc aaattgaaat actaaaagg
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300actaacccaa ttaaagcaac agccatgaat aatattggcc ctgacctgac tgaattcaaa
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407

<210> 2629<211> 405<212> DNA<213> Homo sapien

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120ttgggtttac ttcttgttt ttatttatatg ctgatctgtc tcccctgtta ggtgtaatc
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300ttaaaatatg tatcttttta actatttata cacctccaag tggatgacat gccacattt
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405

<210> 2630<211> 403<212> DNA<213> Homo sapien

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240aaacaatgat aaggttgctg agtcattagg aatcacagaa ttcctacgga agaaagaaat
300acaccagac aaccttgac ccaagcacct cagccgagac atggatggg agcagctaga
360gggagctagc agcgagaaga ggaacgtga ggctgcggag gat

403

<210> 2631<211> 411<212> DNA<213> Homo sapien

ggcagcagat gaagcccaga ttaacttttc tgtgaatatg gcctgtgaac tgttgctgga
60attaaattgg agtctagcac aaattaagtt aatctactct gtattaatca ttgggaaaaa

120gaaaagcttc atttgaaaac agtcttttttc cttcacccac actaatagaa aaaggagagt
180aatttggttca tactgtattc cacgtgggat gaaaagcatg ttttgctctt tgtttctggg
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300ccactggggc cacattgagg gccagttggg accttccttt ccagtcacac tctgtgtcct
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411

<210> 2632<211> 413<212> DNA<213> Homo sapien

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120agtgcgtgga gctgctgctg gccctgggag agcctgcgga ggagctgtgc gaggagtcc
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240ggccaatgtg gccagctcca tcttgagcca cattaaggcc tctctggcag cagtgcacct
300tttcaccgcc aaagaggtgt ccttctccaa caagccctac ttccggggtg agttctgcag
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413

<210> 2633<211> 402<212> DNA<213> Homo sapien

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120ggtgtgcaca gactcagagg caagaaagtt gtatgatgag ggtggggggg tgtgcggata
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300cccaaattggg ggctgcagca tgggccttgg ttgaagcctc taatcctgta agggctgctt
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402

<210> 2634<211> 418<212> DNA<213> Homo sapien

ggcacgaggt tggaagaag aaaagaatta tagaaaatac gagtaaaata tggtttacag
60aatacagaat acgaagatga aaagacattg aagaatccaa aatataaaga tagagctgga
120aaacgtaggg agcagggttg aagtgaagga actttccaaa gagatgatgc tcttgcattc
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360cttctccaaa acaagaacaa aaaaaactgg gacaaagcac gagagcgggt tactgaaa

418

<210> 2635<211> 409<212> DNA<213> Homo sapien

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240cctaggccag gggagcggag acctcgtggg agcgggcagg gggaccttc cctctccc
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360ccacgtttcc ggacctcggc gngcacacg gtctccggtt ttcaccggg

409

<210> 2636<211> 403<212> DNA<213> Homo sapien

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60tgctgtgga ggcgctcac caggctttcc ctggctggg gggccagtcc ccaggagccc
120gggcagccct gctgtgggcc ctggcgctg cactggagcg ccggaagtct accctggcct
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300ccgggctgag aggcctgtg ctgcgctgc gggagccgct ggggtgtgct gctgtggtg
360gtccggacga gtggccctg cttgccttcg tgcctctg ggc

403

<210> 2637<211> 389<212> DNA<213> Homo sapien

cgctgctgtc ggaagactag catcctttt gctccctgg tggntgtgaa atacacacac
60gcacacacac acacacacac acgctcgcac tctctgaga ctccgaacag agaaaaaat
120tattggcaaa tcaacacatt tttctttctc gtcttgagaa aatgtcttga ggtccctgaa
180gggccaatc catcgtggac taactctgtg ggtagagctc agatgacctt gggagaatta

240aaccacttaa tcttgaggag ggaggagagg ggggtgggggtg ggagagaata taagatgtat
300cttangctaa gtggaatcta tttataaaagc gagagactct catctatctt tatgagagga
360gagggttttt aatctagggg aggcagccg
389

<210> 2638<211> 396<212> DNA<213> Homo sapien

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60tggaaaacct gaggtccgga gttcaagacc aacctggcca acattgctaa accctatctc
120taccaaaaaa tacaaaaatt acccaggtgt cgggtggtgtg tgcctgtaat cccagctagc
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300tattaaatac taaacaaggc tgggactgat cttcattgtc attcctggct gcccatatta
360ctcaaggctg acgattaacc atttgtttta ataatat
396

<210> 2639<211> 393<212> DNA<213> Homo sapien

cgtggctgtc ggagagcttg gatttctatt gaccttatac tggtagcaac tgtaccagct
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120cagtagggcca gttacaccca tttataataa ttaataaaat cactatgttt gacttcaagc
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240tctatttttg ttttaatggt tactttgatg taatactttt ttttctgct cttgagcatt
300gactcccgcgt gtgagtata aatcagacat ttaccttttc tccccctcc tctctttatt
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393

<210> 2640<211> 393<212> DNA<213> Homo sapien

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120aaagagaata aaaatttcct aaaagactgt catattaagc cctttacct tttccttggtg
180ccacctcatt acatagatag atcatcattg tatcagaaaa atgttaattt atattattaa
240tgatcacttt gtaagtatgt tttttcaacc atcctaaaca cattttcaga aatgtttttc
300tttaaaagggt gataagtttt aaaaattttt ttataaagag ttaggcttgt gttattactt
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393

<210> 2641<211> 384<212> DNA<213> Homo sapien

ggcacgagga gagttatagc cttatttttt ttacattctt aggaatttat gaaaatgtat
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120atatttttgt cttttgaatt cattaaacct taaaattatt ggagttctga tttagtgtct
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384

<210> 2642<211> 392<212> DNA<213> Homo sapien

cttaaaaaaa tatatagaaa gaaagaaaat gcttttcaat tttgggcccc gccattttta
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120attcttagag aagaaactta catcagttta atgaatacac agcctgtcta taccaatttc
180ctcttctaga gtcactacat tcaaagcttg gtgggtctca atagggattt actgctgact
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392

<210> 2643<211> 391<212> DNA<213> Homo sapien

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60agtgaagtgt tagtaatttt ctcatctttc attatgacaa gtcacactt actatataag
120aaatttttaa atacggtaaa atagtacata aaattacaaa gataaccacc aaaagatcct
180agaatagact ataaaccttt ggaactatca gaataaaaa acacaataaa gaaaacaaat
240accatattggg aaaataattg tgtgtatttg tgtctttaat ttgtttgtga gtgtctttaa
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391

<210> 2644<211> 389<212> DNA<213> Homo sapien

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120atgccatagc taccaataga gtcatttgca ttacacatac taatagtatt atttcttctg
180aggagatcct agctgtagct acagatatag aaaattctac cattgaagat cttgtataac
240cttacttcag ccactgaaat aatttaaatt ataaatatta catgtgggtt tgaactatcac
300agaaaataaa atgattatag atcctaaaaa cataaattcc tgaactttgc aaccattaat
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389

<210> 2645<211> 387<212> DNA<213> Homo sapien

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120gcagtgagcc gagatcgcca tatatatata ttcatatata tgtatatata cacacatata
180tattcatata tgtatatata cacacatata ttcatatata ttatatata cctatatcca
240tatgttttca taatatacga atatacctat atgttcatat atgtatatat aatattcata
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387

<210> 2646<211> 386<212> DNA<213> Homo sapien

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180actttttttt ttttgaaagg gagtttgggt tggccacca agctggaggg caggggaggg
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300caggaagctg gaataacggg ggcattgccac caccctgggt taattttggt ttttttagca
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386

<210> 2647<211> 396<212> DNA<213> Homo sapien

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396

<210> 2648<211> 387<212> DNA<213> Homo sapien

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300cctcaccagg acattctgtt tctgaacat tgggcctctg tggtttgtca catacacca
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387

<210> 2649<211> 398<212> DNA<213> Homo sapien

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240ctgccccac ctgaaaccc acagtcccca gtggagggcc actactcatc cccattgggt
300tcccagggga ggggtgtgt ctggaagggc aggttcagat gcagccttcc agatttagag
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398

<210> 2650<211> 387<212> DNA<213> Homo sapien
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120gaatagggag gagggggaag gtgagaacgt aggtagaaag agctgttggg caactgtagc
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240gcaggtgtca gagagcgtcc acgtggtagg acccacagga ccaggtggct gaatgcagag
300gtgaggtcg agcagggcgg ccagtatggc tcctgtgttc tgatggcgtg tagtggcgtg
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387

<210> 2651<211> 400<212> DNA<213> Homo sapien
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400

<210> 2652<211> 389<212> DNA<213> Homo sapien
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389

<210> 2653<211> 397<212> DNA<213> Homo sapien
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397

<210> 2654<211> 398<212> DNA<213> Homo sapien
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180ggcagagtct ccacccagca gctgggggtt ctggtggcac tccctgtgcc cctgctgctg
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398

<210> 2655<211> 386<212> DNA<213> Homo sapien
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120caattcctgt tgataacaac taaacaacct cattaccgga gaggactttc gtttactttt
180tgcccttttag gttccacttt ttttttggga aaggggattt aatttgttcc ccagccccga
240catcgactgg tataattttg ttaagagca cccttgagcc tcctagggaa acaacattcc
300ccggctgcac cctccaaaga tttggggata acgggatacc ccccccccc cccacctatt
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386

<210> 2656<211> 399<212> DNA<213> Homo sapien
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60tgggatctcc cccgtggccc gccccacac cgggcttctg ggaggtgggc tccagggctg
120tggagagaag ttgggtggtt ggtgcaggca gcttctgggc ttgagtccgg cccctgcac
180ctccagtcga cactcccag gagctcacct gctcccaggc cgaactccat ggcggtgaaga
240gaagtgggt cctaaggcca agggcgctg ggcctgcag aggagcggag cagggggagg
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399

<210> 2657<211> 395<212> DNA<213> Homo sapien

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60acatcctgag gaggaatccc tttccccatt tattaaacac aaaattgccg gtgtttcaag
120tagttctctg atcgatagac caacaactga aattaaatgc ttttagtctc aagtgcccat
180ttttattaaa atgtaattat catgaacaga aaaagcaata caaggcgtgt gttcttaata
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395

<210> 2658<211> 388<212> DNA<213> Homo sapien

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120tggcggaacc atttgccgc atgcggccat aactgcatca ttgggtccaa tgggagcctg
180ggacctgtcg tgcctgctga agatgggtgtg tgtatccggc ggtgcacgat gctgcgggat
240gcccagatg cgctccatt actggcttga gtctgcatt gtgggctggc gctgcgcgt
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388

<210> 2659<211> 378<212> DNA<213> Homo sapien

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120ggggcccccc ctttttttaa aaaagggggg tttaaggggg ggattttttt cccaaaaaaa
180aggtggrttt ttttttcccc ggggggggtg gggcccccc ccaaaaaaaa aaatccccgg
240gggaaacccc ccccccccc ccgggggggg gggcccccc tttttttggg aaaaaacacc
300cccccccccc cctttttcct gggggggggg ggaatcctcc tcggagaggg gggggggggg
360ggcaacaaaa aaacaaaa

378

<210> 2660<211> 382<212> DNA<213> Homo sapien

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60ttttcactta aacttttgga ggaacaaaac taaagcagac aaacatttct tgttatgttt
120gttgctttct ttaatccaat ggataaaaaa agtaaaacc tgtaaacatt attttatatt
180tttatgcaat accatgctgt aaatatggt catcaataaa ggatgtacct atgattgaat
240ctttaattct gcacagttag agtttatata taaacgtgtc ttgacaatca aggactttta
300tgtgagctct cttttatgat gtttattaat gttatgcatt ccatttgttt tgaagtgagt
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382

<210> 2661<211> 373<212> DNA<213> Homo sapien

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60ctttaatata gggtagagtt attaaatagc acaattaaaa aaattttaga acttacaat
120acaaaggatt attattttct caaaattatt atctttattg ctataatatt tatttaattg
180agcttttttg ttcaatgcac ttttggaatt tttctttgga aattactaca tgatgctttg
240gacagctttt aaatattttg tatatattca gtcccttaga ttttaaatat ttctgtttct
300tcactttttc ctctgttaca tgggtttcca tgtaacctct tcactcatctt ggttgccttt
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373

<210> 2662<211> 373<212> DNA<213> Homo sapien

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373

<210> 2663<211> 378<212> DNA<213> Homo sapien

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120ttctttaaacc tgggaggcgg aggtttcagt gagccaagat tgtgccactg cactccatcc
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240ttcttgaac cttgtgcaga gggaagagta aaaagacctc cacacggccc actctgtcca
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378

<210> 2664<211> 378<212> DNA<213> Homo sapien

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120ctacactttt ggtactattt tcctttttaa tttttgggt ctaagattta ccactaatta
180ctaataatag cctttccaat tcaacttaaa ctttaataag tgaaatgttc aggtattgct
240agggtaaatg tgtcttttcc tactattgag atttttaaag gctgtgatta agagagactt
300tattaatttg atctgaaaga agtagaaacc tctatgaaac aatttttatt ttcctttgca
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378

<210> 2665<211> 373<212> DNA<213> Homo sapien

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120acgatagtga tgagagttat gatgactctg attagacccc agataaattg ttgctgtctt
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240cttactggt aggatccttc ttgcccctc ttttttttt ttttttttt tttaaaagag
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373

<210> 2666<211> 376<212> DNA<213> Homo sapien

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120ggcaggctgg ctggccttgc tcccatccct agaactgctg cctctccctg gatattccag
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376

<210> 2667<211> 382<212> DNA<213> Homo sapien

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180tggggctggt ggtccgggtc tggccatctg tcacctctca ggcgtgcagg cactaatccc
240tccaagcctc agttggccac agtgagaagg ggcctggtta cactgtcctg gatgccaggt
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382

<210> 2668<211> 371<212> DNA<213> Homo sapien

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120gagacatggg tgtgcacaga ctgagaggca agaaagtgt atgatgaggg tgggggggtg
180tgccgataga ggttgaagcc caaaagcct gaaagtccag tgttgaggct caggttgggg
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300ggaaagagcc cagatggggg ctgcagcatg ggccttggtt gaagcctcta atcctgtaag
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371

<210> 2669<211> 378<212> DNA<213> Homo sapien

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378

<210> 2670<211> 373<212> DNA<213> Homo sapien

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240cagccaaccc caccaggtcc cgaagctaag gagccagggc tgggggtgga cttcattcgt
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373

<210> 2671<211> 376<212> DNA<213> Homo sapien

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120tgcagcgcca gctgttgtga ggacagccag gcctccatga agcaggtgca ccagtgcac
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240ttccaggacc gcctggcccgt gtgcaccatg cattgcaacg acaagccaa agattcaata
300gatgtggga gtaaggagct tcaggtgaag cagcagctgg acagttgtgt gaccaagtgt
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376

<210> 2672<211> 370<212> DNA<213> Homo sapien

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120acatgatcgc cggactctgc atgtgaagc tctaccagaa gcggcaccgg gacatcaacg
180ccagcgcta cagtgcctac gcctgcctgg ccattgcat cttcttctct gtgctgggag
240tggtctttgg caaagggaac acggcgttct ggatcgtctt ctccatcatt cacatcatcg
300ccaccctgct cctcagcacg cagctctatt acatgggccg gtggaaactg gactcgggga
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370

<210> 2673<211> 355<212> DNA<213> Homo sapien

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60tttcaaaaaca aaatggtttc aatagagcgc catgatattt ttctgacatt ttctttgaaa
120tagttgatac tccttctgca aattttgttg acagtgttct taggttccaa aaagaagggt
180aacgccacta cagcaccttt gccatctgac cagcagcaat tctaagatgt cattgattct
240aagatgcac tcaattccca agatgttaaa atgaacaaa tacatcattt aggatcataa
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355

<210> 2674<211> 361<212> DNA<213> Homo sapien

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120aagaagcctg agaaggaccg ttcagagaga cagataaaa gaaaaccag aagagaagtg
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240cagagagacc aaataagact aaattgcaca aagttcttga ggaagtgaag actcagatta
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360t

361

<210> 2675<211> 356<212> DNA<213> Homo sapien
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240attgcgcgag acacattttt atttaattct tttttttacg gaatgcccc gagccggaat
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356
<210> 2676<211> 366<212> DNA<213> Homo sapien
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120atgttttctc ttaatttaac tcattttgtg cttcttttac tcattcaaac acacatacat
180tttacatata gtttatttct ttatgaaatg ctaatcttca gcccgtagca aaaagtagag
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366
<210> 2677<211> 367<212> DNA<213> Homo sapien
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367
<210> 2678<211> 349<212> DNA<213> Homo sapien
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120accctgtcac tctactcacc tatataatga ttttctgtga acttaggtat gaagtgtgaa
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349
<210> 2679<211> 337<212> DNA<213> Homo sapien
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120cccatcccc catccctcc tcatacaaaa cttgaaaata atgcataaaa taacaaatcc
180atcaatcatg gggaaatttg aatcacatgt agcataatgc agggcatatc tgtaaaagta
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337
<210> 2680<211> 470<212> DNA<213> Homo sapien
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470
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420

<210> 2682<211> 440<212> DNA<213> Homo sapien
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440

<210> 2683<211> 427<212> DNA<213> Homo sapien
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427

<210> 2684<211> 468<212> DNA<213> Homo sapien
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120gtaaaaggaa ttttggaacg ctttaacgan gacttcattg agacacgcag gaaggcttta
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300ctaagcagga tggggcaaac cgtcagagct gttgctcct caatgagagg agttaaaaac
360cgcccagagg agttcatgga aatgaataac tttattgaac tatttagcca gaaaataaat
420ttgatagata aaatatctca gagaatttat aaggaagaaa gggaatat
468

<210> 2685<211> 419<212> DNA<213> Homo sapien
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120caaaaacctg atttccattg cctagaatac ttcaagtctt tcaatttta cacactgctt
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419

<210> 2686<211> 428<212> DNA<213> Homo sapien
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180gcctggttg tttcgcttg tcttctcaga ccaagtccac cggctttgcc tggggatgca
240gaggtccag caggtgcttg caggcaaacc ccaagtggca gaagaccccc gtcctctca
300tagccaggag ccaagtgacc aacgcaggtg agctggtcat tgtctcgtgg ccagagggcc
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420atttgcca
428

<210> 2687<211> 426<212> DNA<213> Homo sapien
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60gccggggtcg tggccggggc cagttgacct tcaacgcgga ggccgtgggc attgggaaaag
120gggatgcttt gccccaccc accctgcagc cttctccact cttccctccc ttggagtccc
180gccagtagc tttgcctca ggcgaggag gggaatatgt cctggcactg aagcaagagc
240tacgaggagc catgaggcag cttccctact tcatccggcc agctgtcccc aagagagatg
300tgagcggtta ttcagacaaa tatcagatgt caggtccgat tgacaatgcc atcgattgga
360accctgattg gcggcgctta ccccgggagc taaagatccg agtgcggaag ctacagaagg
420aacgga

426

<210> 2688<211> 397<212> DNA<213> Homo sapien

cgttgctgtc ggtctaacc attttggttt acacagtctg accactagca caatgcctgg
60cacatagttt acaaatcatt taaggcaagc ttaccatctt aagacaattt aatacataga
120agtgtccctc ctaaaaatct gagtttgatt tagaaatcca gttatacctg caggtactga
180tgactaatct cttctttgaa gacaaaataa gcagctgtgt agcttcagtg gctctcaaat
240ggataataga ttcagtgtat actcgctttg aactttcctg tttttgatc agctagataa
300atgactttag tgggtaaatg tctgcctcca aaaccaaatt ctgaccctga tctaagtatt
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397

<210> 2689<211> 391<212> DNA<213> Homo sapien

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120acaggtgtgt caaaaggtat cttggtcatt aagtattgtg cagtgcatta tttattatcc
180ctaggagaga tgaaatttga gaggtgatca tgtcttttta aggaaactta cataatgctc
240tgcttttttt tttcttttgg acccatgggt attataataa aaagcatttt gtacctgagg
300ggccctaatt gaaaaaagtg ctgctcaaa gaaagtatgaa gttatatatt aaatttttta
360atttttaatt ttaatttttt tgctgtgaag g

391

<210> 2690<211> 416<212> DNA<213> Homo sapien

ggcaccaggt gtgtgtgtgt gtgtgtgtgt gtgtataaaa ccaaaatgtg tgacacaata
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120attattagct attagctact tctgaaatc agaaagtacc ataattaggc taaagggtta
180tataatatgt agtgaatctt caatgtaata ccataactc tgctattttt ctttttctaa
240ttagttgtgt tacattagta accaggccat gccaacacaa gtattccagt ccattgtgatg
300atattttctc atgtaaatta ataaactgaa attctaattg taaacatttt ttcataaatg
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416

<210> 2691<211> 412<212> DNA<213> Homo sapien

ggcagcaggg ctagagtaag atgataatat aggtgagga ttgtaggat aagaaggaaa
60gaggagcagg ggaggaaaga accctgagga accaaatcat attaggagac gaggtgaaaa
120tggtactgag ggagctctga ggaagcttag caggaaaatg gtgtataaga acttagggag
180gagagtttcc tgaaggaggg gcagtaattg cagtatcaaa tgctacagag aggagaggca
240tgatgagacc ttacaataag cctttcattg tatttgcctt ttgggggcca gtgagaaggg
300aaaactgagg gtggtggagg ctggaagcta gatcatgatg agctaaggag tgagttggag
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412

<210> 2692<211> 368<212> DNA<213> Homo sapien

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60agaatcagct tgctcctagt ctagtgacaa tccttctcac tgggagatct gggctgcctt
120cttgagggca cactgcaaag gccaccttct catctccctc tggcctgcct gtcagctctc
180agagagctga atgggcctg ccaccaacag tctgttgtgc ctttctgact gtgacacgaa
240tgactacca cgcaagaag ggctccgtgt cagcagcgt cctagctggc tctccgtctc
300gggtgtccca ccacgggaac ttgagaagaa gctgaacctc tcaaggcttc cggtactgct
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368

<210> 2693<211> 388<212> DNA<213> Homo sapien

gtgaaaagtg ctcatctgtg aactctatag caaattatat ttagaaaaat actttgtgag
60gccgggcatg gtggcagagc gagactccgt ctcaaaaaa aagaaaagaa aagaaaatat

120aaggatgtaa aagaagcaat ttgcttgac atctgaatat ccttcttggtg tctccatttt
180cactcttgaa aactgaaagc aatttgactt ttatttttgt ttttctaaag aacagctagg
240tgaaaggagg ttaagctgat tgcactctg cctgcccact acctactccc caccatgggtg
300tttcatgaaa catccccacc acctgaagtg atctttttta tcttctgtgat agtaaagca
360ttgataatta acaggaaaaa catgtttt

388

<210> 2694<211> 377<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggatg aacagcagaa gagaattatt ctacaataag
60aaatcaattg gtctctcaac tgagaatcac tagcaagaaa ctggtaaacc aaccaacaag
120tgggttaaagg aaatgtgaaa ttatataact aaataaatac acacaaacac acacacacac
180acacacacac acacacgcac acacacaagc acacaccata gaatactact caaccacaca
240aaggaaggaa ataatagcat ttacatttgc agcaacctgg atggagttgg agatcattat
300tctaagttaa gtaactcagg agtggaagaa cacatctcgt atgttctcac ttataagtgg
360gagctaagct ataagga

377

<210> 2695<211> 380<212> DNA<213> Homo sapien

ggcacgagag acagtctccc cctcagatgc catgctccca ctgtaccacc atgtactgct
60tcctgagatc tctgcttcc tcaagtcgacc cagctgacac ctgtttcctt cctaactcca
120actaattaat tccagctaatt ggaattgact ggaattagtg acattaatat ttactgagca
180ttccccatgt gtcacagag ctgtgctaaa tgctttacaa gaataattac ctgccataaa
240gcaaccctat gacatagggtg ctactatgcc catttttag atgagacagg ttcaggggag
300ttagtatcac cttcaagtca tacagtggct aacaatctgt ggtctcgtg aatgctgggc
360gcctgctctg ctaagtctac

380

<210> 2696<211> 399<212> DNA<213> Homo sapien

atcggcacga gattgattgc tgttgcgga acttgagggtt acttacagaa tgaagcacat
60tttttacata cagtacaaat gagtgtgtgc tttttaaatg gattttaaat tcaaatgcaa
120atctgcagtt taatctccca agtgtgtgatt tttctatgta taaagtagga gagtgcacaa
180gcgtatcaca atgaggggct agggagaacg tgtatgtgac ctctaglac tggcatgtaa
240cagacactca gtattacact cctgctatct ctcagagca ggtgaaacag acggccagga
300agcacacgaa gagacactca gcatcactgc ttgttaagga aggtgcaa at caaaaccaca
360gtgagacgcc acttcacacc tacaagttcg gctagatan

399

<210> 2697<211> 408<212> DNA<213> Homo sapien

cgttgctgtc gctggagaag cagccttata cagttgattt tgtgtatgtg gctagtctta
60ttgtcactat gtaagtaatc caatggtttt agaaactaaa ctttctagag caataaaatg
120actataatgt taagtaacaa taatgttgat ttctaattat gttttaaaaa atgaagtctt
180gaattatata aagaaatttt ggcagctgaa gtcattgtta ttttgaagct gttagttttt
240tcctataatt taaaaagatc ttttagattt atagaagagt cagaaatgta caagagagtt
300tttttgttgt tgtttttgtt ttttgagaca gagtctgtct ctgtcgccaa ggctggagtg
360cagtggcgca atcctggctc actgcagcct ctgctcctg ggttcaag

408

<210> 2698<211> 406<212> DNA<213> Homo sapien

ggcacgaggc aagcatttac agttttaaat ttcccagtc gaataaattc ttattgaggg
60caatacctag cctgtcttca tcaaaactcat aggtgaatct ttgtcaaacc tataggagag
120agatgcaggc catagagatg gtcttgctga aggtcttata gctaaattag ttcagatcca
180ggaaccagat tctggaactg attgcaccta tattatgttg tgtgtcagac actcccagga
240cctgttttgt aataattagg acagctgaca tacttggtgc taattttgag atctgggcaa
300caactgtgta ggctgttctt tcaacctctt tcttcttact tctttacttt tcttccagc
360aggagaaagc cccccctggg gtatagccac cgctccaatt ctgact

406

<210> 2699<211> 374<212> DNA<213> Homo sapien

tacggctgcg agaagacaac agaagggtc tcaaaactaat caatcaaaaca acaaaacaaa
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120acttggtgtg aattaagtgc ttactagggg ttaccacatc attaactatt attagtaatc
180ttacagtcac tattatcaaa tatgtctcaa aattaatgca acctgtcagt ctagtccat

401

240caaaagtgcc acagtgtctt ttggaaatta aacaaaacaa ttgcttaaat gtgcatcata
300cattcagagt aattcttatt caagcaagct gggtttatat tcatgacaag cattttcaat
360tttaatatgt ttgt

374

<210> 2700<211> 406<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gaactagtct cgagagcagn nntttttttt tttttttttt
60tttttttttt tttttttttt ggcccccccc cccctttttt ttttttttaa agtcccccc
120caaaaccccc cggggggggg ggggaaaaaa aacccccctt ttaaggggg gggggaaaaa
180aaaagttttt tgggaaaaaa aaaaaatttt tttattttt gggggcccc ccccccccc
240ccgggggggg gggggggccc ccccccccc taaaaccccc cccccgtgg gtttttgggg
300ggcccccccc cgggggctta aaaagggggg gggggggggg eccccaaatt tcccaaaggg
360ggggctttat ggcccccca tccccaaat gtggggggcg gggggg

406

<210> 2701<211> 395<212> DNA<213> Homo sapien

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60ctgggattac aggcaattag aaggaccatg tgactaatct atatcatttt cttagagata
120aagctgagat ccaggaggct atgctaaaga gacataggta actgtggcca agctacagcc
180agattccatg ttttaagact ctcagttcta tttttctggg tggggaaggg gaatgaaatt
240ataactttgc aactatcctc acttcttct acctaccaa atagaaagta gttcacgttc
300acaggacagt ggtctcatgg acttgtttct tttttcttc aatgaaatc ctttaagaaa
360tctaaaaaca aatgagcaca gatgctctgg ctcaa

395

<210> 2702<211> 394<212> DNA<213> Homo sapien

tcacaatcca atatctgtgg aattcattgt gtatgtttgt gtatttgtgt gtaggtgtgt
60atgtgtgtgt gtgatacata catacatcac gtatcacaag acattgacct tatatattat
120gcactgtgat gtttttccgt ctttaatttt aaaaaacata ctgacacaa ccacaatttg
180gaaaatgttg ctccatacca tccatacca acactacca cctgcaaata atagcattac
240taggagctgc agtcacaatg aataaatcaa caattcgcta caagatctag gattatttgt
300gtattttgtt gagagtgcga gcgcgttggc gtgtatctaa taccattgta tctcattgt
360gagactttgt tacaatatag gtttctggtt tctt

394

<210> 2703<211> 376<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggatt atcctactta ttatttatgt ttacctcct
60gtgtccaaca cacacacaca cacacacaca cacacacacc ccttagaatg
120gggctcctta agagcagggg ctttatgggt cttatggagc aagactttat gggctcctgc
180tcttatgacg ggcctgttca cctgcacctc cagaacctgg aacagtgtta ggcacaaaat
240atctgattaa taaatttgcg ctgaaagaga gaatactcca aaaggttctc gtatgagtga
300agtgagatta ttatctataa agaattttgt ggaggcatgg caccacataa gcaccacaca
360cacagtattt ccagta

376

<210> 2704<211> 407<212> DNA<213> Homo sapien

ggcacgaggc cagtggagct aaagagctga gatatatattg taaatagagt taataggatt
60ttctgatgat gtgggtctgg ggtacagggg agagggacaa tctactgcta ctgaattact
120ggtttaagta actaggtagc ctttattggg aaagactgag aggggaactgg ttgtgggga
180aaaggactat gtttcaaggc atgttaagtt ttagatatct ttgagatatt caagtggaaa
240tgtcatataa gaactggaaa caaagttcag gactcagaag acaggtttaa aattaagagg
300caaattttag agttatttag atacagataa ttttcaaat ttaaaagttt ttttaataat
360aaatatctgt ataattatag aatcacaggg gattgcaaaa ataatac

407

<210> 2705<211> 389<212> DNA<213> Homo sapien

ctccagcctg ggctcaaaaa agaaaaataa attaggggcc cgttctttct caaagccttt
60gggggctcc gggggccctc agaaaacat aaaggggctt ttgaaaaact ggggctcct
120gggaaccttt ggaaaaaaa gtaaggggtc ctttaaaggg gatcctgttt tgaaaaaatc
180gcccacttcg gggccccac tttgaaaaag ggggctgtgg gtttcttca cagggtcca
240aaccaatttt ttttcccta agttttttt tgggctcg ctttaatat tccaccggg
300ttttccaagg cgggggttaa aaccaccaa acctgcccag ggccaggggc tccccctga

360atccccaaaa ctttgggggg ctaaaacgg

389

<210> 2706<211> 376<212> DNA<213> Homo sapien

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60ttgaaaaata gcttctgcca cagacactct ataagaagta ggttctgtga ggatgggac
120ttcttatgga gtgttagtca tcaatggagt ggaaagaatg cagtcaaacc tgacacctga
180gactgtatag tagtgaggct gattccttaa aaatcacacc agaactcggc caggagtgg
240ggctctcacc tgtaacctta gcactttggg aggccaagg gggcagattg cctgagctca
300ggagtctgag accagcctgg gcaacacggg gaaaccccg ctctactaaa atacaaaaaa
360aaaaaaaatt agccgg

376

<210> 2707<211> 375<212> DNA<213> Homo sapien

tactgctgct agaagacgac agaagggat gtcaaatcct actttaata tgaaagta
60caggatcaga gaaattacat gccagaaatt cacaggattt ataggtacag caaaatagg
120cagaaatcta tacactccag accgagaata tatccgaag tcagcagttt atatgaggag
180tcaactggaa atcattgcaa gtaaagaaga gctagattaa tcgctatcct taaagaataa
240actaggcaga aacattagaa cagctgcttt caaatgtttt cagaactagg tataatggg
300gaaagaagct caggtatttt agaggtaata ctctttttt attcctattc ttatttaaga
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375

<210> 2708<211> 413<212> DNA<213> Homo sapien

ctcctacgtc tcctatttgt ccccttttgg ctctccttac taactttaat ggccacaaca
60tttaggcgaa agggggggcaa tcattgggtgg ttggcattc gcagagactt ctgtcagttt
120ctgcttgaaa ttttccatt ttaagagaa tatgggaaca tttcatatga tctccatcac
180gaagatagtg aagatgctga agaaacatca gttccagaag ctccgaaaat tgctccaata
240tttgaaaga aggccagagt agttataacc cagagccctg ggaaatacgt tccccccct
300cccaagttaa atattgatat gccagattaa actcctagag aggaccagc cacacacaga
360ctccacttgg ccttcgcctc ttgttcattc atcccaaacc tggaaatgga aac

413

<210> 2709<211> 395<212> DNA<213> Homo sapien

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60tcatactgaa agtactgtag atgctagcta acctctgcc ttttaagaa taaacctttt
120ttttaaactt aagaactaaa gctgagattc tcctattctg ttgttgagg gcttcttgca
180tgcccgcacca tttatcaca gcaatttgag aagttttctt ttgtgttct gacaacaagc
240atttgaggag aaagccaggc ataaattagt tacgatagtt ggggtttaat gtttctccag
300tgaaaatttg gacttttctt ttcccttat agaatgcata attaaaacag actattattt
360tgaaatgaaa tattgaatat taacaaaaat aaaat

395

<210> 2710<211> 383<212> DNA<213> Homo sapien

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120aaaatcccc tgcaaaggaa tgtgatacca agtgtagcc gagtccttca gcagaccatg
180acaaaacaac aggttttctt gttggagagg tggaacagc ggatgattct ggaactggga
240gaagatggct ttaaagaata cacttcaaac gtctttttac aagggaacg gttccacgaa
300gccttggaag gcatacttcc accccaggaa accttaaaag agagagatga aaatctctc
360aagtctggtt acattgaaag tgt

383

<210> 2711<211> 386<212> DNA<213> Homo sapien

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60ggtgaggggc ggcacgggg gaggggcgtg catagttgag acagaaaccc ggaagaccca
120actgtggcgc ggcactgctt gaccgagggg ctccggagcc cagctgcacc ggctgcgggt
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240aagctcgagc ccattacttt ctgtggactc tgactcgagc tgcaaaagct tttctgact
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386

<210> 2712<211> 382<212> DNA<213> Homo sapien
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120actcctcctc cagggtcttc tgacatccaa ggccctttga aatctctctc cacctgcgaa
180cagatttcta gacttctgat ggaggtgatc tgagatgaac aggtctctaa agcagcctct
240gcgagcctct tagagcagcc gggacctgct ggagaacaga acatggccta tgagcgcaac
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382

<210> 2713<211> 409<212> DNA<213> Homo sapien
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120ggggcctctt attttattat tgcctgaaag gttgcttgaa cccaggtttt ccccatcccc
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300ccataaaagg ggccgggtta acaaaccctg gttaaaggac atttaagaat ggaaaagggg
360gttgccaaa aaaaacccaa tttttctcc tgtggcgttc acccccccc
409

<210> 2714<211> 408<212> DNA<213> Homo sapien
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408

<210> 2715<211> 377<212> DNA<213> Homo sapien
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240tgagaagggt ggatcacgtg agggcaggag tttgagagca gcctgtacaa cgtgggtgaa
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377

<210> 2716<211> 388<212> DNA<213> Homo sapien
ggcacgaggg cacatgtag cgggtcagcg aaaagcccag tgctggaccg tgggacaaaa
60tggaacaga gcagctagca ctgtggagat gagaaggggc tgagattaga ccgagggaag
120gaggagtag ctgacaggct tccacaagcg gaaggtcgag cgaaagaagg cagccattga
180ggagattaag cagcggctga aagaggagca gaggaagctt cgggaggagc gccaccagga
240atacttgaag atgctggcag agagagaaga ggctctggag gaggcagatg agctggaccg
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388

<210> 2717<211> 396<212> DNA<213> Homo sapien
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120ctcacttccc tgttctctg gtactgttac cgctgggct ccaagacat gcaggcccta
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396

<210> 2718<211> 386<212> DNA<213> Homo sapien
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180ggctgtgcca ggatgactgt ctcatgcccc ctctgcattt tgctcctggag tgccagcgag
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300cgccgcatag gaccgcccac atgggaacgc ccacatggga ccgcccacat gggaccgccc
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386

<210> 2719<211> 371<212> DNA<213> Homo sapien

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60cagaagggtg gtttaggcag gcattttccc cctgggtttg gatctcttgg ccccaaagcc
120atgctgagga caggtgcttc cctgcctagg ctacctctcc eggcctgtcc ctggctccct
180ccctgcccac ccctggctct ctccctgccc cagggtagag gtggaatgag ggtatgagag
240aatagcctga gacacaggca agggcatggt tgggagggca gtccaggagg gtgggactga
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360gtgggttttt g

371

<210> 2720<211> 389<212> DNA<213> Homo sapien

tacggttgcg agaagacgac agaagggtca tgagtcaact tacatagatg accacaggtt
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120gagggatgaa gtcataggac aacgaaggcc tgttctcgac tacacagtgg ccaattcctg
180tttctgtggg agtgaccacc agccccaccg gctgggaggg agtaagtggg gatggtatcc
240agcagaagtt tcctgagaaa ccctggaggt gtcctgatat agccttgagg acctgctccg
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389

<210> 2721<211> 404<212> DNA<213> Homo sapien

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120tgccgtgttg agaaaagact gcaaggggga aggggtggaag cgaggagagc agtttggagg
180cccttttgca gaatacaggg gagaccaggg ggtggcagtg ggagggtagg aagtggtagg
240cccaggccca ccacagaacc acctctggca ctacaattcc tgtttgatgc aaggatggct
300gcttttttta cctgtcaccg tgtgatgtga aatcatgcat ttagagcaac ttggtaaata
360ttaatttgtc aacaaatatt agctattaat atcagtatta agcc

404

<210> 2722<211> 384<212> DNA<213> Homo sapien

ggcacgagag tacctgacag gcttccacaa gcggaaggtc gagcgaaaga aggcagccat
60tgaggagatt aagcagcggc tgaaagagga gcagagggaag cttcgggagg agcgccacca
120ggaatacttg aagatgctgg cagagagaga agaggctctg gaggaggcag atgagctgga
180ccggttggtg acagcaaaga cggagtcggg gcagtatgac caccccaacc acacagtcac
240cgtgaccacc atcagtgacc tggacctctc gggggcccgg ctgctcgggc tgacccacc
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360agccttgccc aggaagtcca gaga

384

<210> 2723<211> 403<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gagagagaga gagagagagt tagagagaga gagagagaga
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120gtgtgtcact ctgagtctgt gtctctctgt gcgcgagaga ccccccccc ctctcttctg
180gagcgcgcgc tctctctata gagaggggag cctcgacccc cccctccttt ttgtgtgtgc
240ggcgtgctct ctgcgggggt gcgtctcttt ttgtgtaga gaccgccctc tctttttcac
300acgcaccccc ctcttttttt tgtgcccac cctctctctc gtgtggggtg tctctctctc
360tcccgcgagg ggtgtctttt tttctctctg aggtctctctc tgt

403

<210> 2724<211> 397<212> DNA<213> Homo sapien

gaggatcaaa gtctgggtga gaaataacag cggtgaagag ttgactgtg ctttccgcct
60ggcacaggag ggattatatt cattgtatcc atttattaac tcattaatta ttactgtatc
120aatggaagat gatttgatac tgttcaccca ggaaaatccc ttttttagaa aactcagcag

180taagacctac agatcagcaa aggacctgac aaaggaacc atcgtgctga agtatgaacc
240agattctgtc aatccagacg ctctgcagag tcccatcgctc ttatgcggat ggcgatgaaa
300ggcctccatt ccaacttttg tgccctagaa tgaacggctt cattatctca agatgatgga
360gctggaggta ttgggagaaa agaacaatga aggagtg

397

<210> 2725<211> 392<212> DNA<213> Homo sapien

ggcacgaggc tgccacagcc cctccaagca gcagcaagcc aggccctcca ccacagagca
60agcccaactc ctctttccga ccgcccagca aagacaaccc cccaagcctg gtggccaagg
120cccagtcctt gccctcggac cagccggtgg ggaccttcag ccctctgacc acttcggata
180ccagcagccc ccagaagtcc ctccgcacag ccctggccac aggccagctt ccaggccggt
240cttccccagc gggatcccc cgcacctggc acgcccagat cagcaccagc aacctgtacc
300tgccccagga cccacggtt gccaaagggtg ccctggctgg tgaggacaca ggtgttgtga
360cacatgagca gttcaaggct gcgctcacga tg

392

<210> 2726<211> 402<212> DNA<213> Homo sapien

ggcacgaggg ttactccag gtgaccaggt ggcctgtagg aaaccaaggg ctgctatatg
60accggagctg gatggttgtg aatcacaatg gtgtttgcct gagtcaagaag caggaacccc
120ggctctgcct gatccagccc ttcactgact tgcggcaaaag gatcatggct atcaaagcca
180aagggatgga gcctatagag gtgcctcttg aggaaaatag tgaacggact cagattcgcc
240aaagcagggt ctgtgctgac agagtaagta cttatgattg tggagaaaaa atttcaagct
300ggttgtcaac attttttggc cgtccttgtc atttgatcaa acaaagttca aactctcaa
360ggaatgcaaa gaagaaacat ggaaaagatc aacttcctgg ag

402

<210> 2727<211> 411<212> DNA<213> Homo sapien

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60agcaaggctg tgcaaggggc cctcacaat gccatgcttt atggaaaccg agcagcagcc
120tacatgaagc gcaagtggga tggtagccac tatgatgccc tgagggactg cctcaaggcc
180atctcctaa acccatgcca cctgaaggca cactttcgcc tggcccgtg cctcttgag
240ctcaagtatg tggctgaagc cctggagtgc ctggacgact tcaaagggaa atttccgag
300caggcccaca gcagcgcttg tgatgcattg ggccgagaca tcacagctgc cctcttctt
360aaaaatgatg gtggtgagtg ggcactgagg agggggtgct gttactcttt c

411

<210> 2728<211> 402<212> DNA<213> Homo sapien

ggcacgagat gggcaccata accaggaggt gggctactgc cagggaaatga attttatagc
60aggatatctg attcttataa caaataatga agaagaatct ttttggctgt tagatgctct
120tgttgaaga atactaccag attactacag cccggccatg ctgggcctga agaccgacca
180ggaggtcctc ggggagctgg tgcggcgaa gctgccggt gtgggggccc tgatggagcg
240tctcggtgtg ctgtggacgc tgctggtgtc ccgctggttc atctgctgt ttgtggacat
300cttggccgtg gagacagtgc ttcggatctg ggactgtttg tttaacgaaa gctcgaagat
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402

<210> 2729<211> 359<212> DNA<213> Homo sapien

tacggctgcg agaagaccac agaagggtaa gcaccatatt agaaagctct gaatttccat
60gtgataagtt ttagaggtaa aggggcaaat gctttaggaa aatttcgtag caatatgttt
120ggtgttttaa gtagggaagg tctgagtga agattgcagc taaaagctgt ttattactaa
180agtgaaggcc agttatcagg aggatctgaa caggggaagga aaatgggctg aaatcacaag
240tttgagttga cagctgaatg tttctaggga gtcaaatatc cctaggattc acattgagtt
300aactgggagt ggcaagtga ttgatagtag tgaggacaga gagacagtca aagaagggt
359

<210> 2730<211> 347<212> DNA<213> Homo sapien

tacggttgcg agaagacgac agaagggtt ttgtttttt aattctaaaa aaaacaaat
60gttaggcaa acagatccct agatcccact cattgattct ggcggtattc ctaaagtgtt
120gcttaggggg tcagaatttt ctggatcttt gctaattcaa gctttagatt taatttaacc
180aggaccacat gcttgtcatc tctctgatgc aaattttcaa aatcatttta atttagattc
240taatgtctgc ctgggttttt aacaggctgt gaaccagtga gtgccttgtt aatgtagaat
300gattttttccc ccctgggtgg gtggtagtta gctcctctct gaaaatg

347

<210> 2731<211> 342<212> DNA<213> Homo sapien
tacggctgcg agaagacgac agaagggcag attaatgtgg tttttcagga aaggacttag
60gtgaactgag gtttttacca caggcagtga atgaccttgg ttcaccaa at ttgcctctgt
120tttgaggggc ttggtccaga gtgacttgtt aatttactct aacttccttg tgtgttgatg
180ggtaagtaca ctcaaacact gaatacaggt gtgtgatggg tagatttcac agcccttcta
240ctaatagtga gtgtgaaggc aagcttgatg caaacctcc tgacctttcc tacctgaaga
300gccctttgac ttctaggaag aaaggtcaaa aatgttatct tt

342

<210> 2732<211> 335<212> DNA<213> Homo sapien
tacggctgcg agaagacgac agaagggtt gaataataaa aatttaaccc attgttgtga
60aggagcctca gaatatcttg atgttaacaa aagagtcttg tatttcaaaa gttggagaaa
120cactcatcaa gagttaggag taaggccag tgtggggttc cctctggtaa taccagcatt
180ttgggaggct gaggtgggag aatcacttga ggtcaggagt ttgagaccag cctggccaac
240atagcgaagc cccatctcta ctaaaaatac aaaaattagc cagctgttgt ggtacgcacc
300tgtaatccca gctacttggg aggctaaggg aggag

335

<210> 2733<211> 345<212> DNA<213> Homo sapien
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60cttgggaact cttctactag aatggccttc agggcttggc atgttccttt ggttaccct
120tagagatgag aaatcctcct cctttgagga tggatttaag ttctggaaat aatctcaagt
180gcttgatagc acagctggat gaaaaaagat ggcaattaa gtaagttaca ccattttgt
240ttctaaaaaa tccctaagaa atttcttggg atgagctttt ggcctcagag cctctcaag
300tgtccacttc aaggggggat catctcatt agcacacaga ttttn

345

<210> 2734<211> 336<212> DNA<213> Homo sapien
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60gtctgttttg tcttttatga aatgaggata ataatgcac taacctcatg gtcattggga
120ggattgagat aatgctaaaa gcatccttag cacagggtct ggtaatttaa taaaggttta
180ataaatatta ccatatgatt cttattactg tgaacagtta agaaatagta aagtataca
240taatgggtga gtacgaggca tgagaacaca ggccaacgtg atgaattgcc ccatgaatag
300tgtgtgtat aacctctcc aggccagggtg tcatgn

336

<210> 2735<211> 356<212> DNA<213> Homo sapien
ttatcggctg ccagaagacc acagatgttc ttctccactg gcagctgaaa agtctttgca
60aagatccttg accctgggtc ctccctatg atttgccaca taacacagga cagcaccat
120agacctacac aacaaaatgt acagttttcc ccccttatcc atgggggata tgttccaaga
180ccccagtgat atgcctggaa gtgtggatag tactgaaccc tagatatgca gtgtctggat
240agaaggaaga ggataagagt aaaaggggga ataaagaatg tggaggcac agagtacaga
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356

<210> 2736<211> 351<212> DNA<213> Homo sapien
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60ctcatcacag ttcttgtctt cagcagccca cccaaagccc tccttactg cctgtacca
120ttttcatacc ctctagagtc acttatcaca aaagtaacaa tcacaatcct tggaaagggtg
180tactataacc ttaataaata agcaggtata catgtgtgga tttgtacatc ccaagagggtg
240ggactgatga gagacagcag caccctatc cccacaatc aatgaacaaa cctggtaaat
300actctctcca tccctgtgc ccttcagctc aaatattgtg actctctttt n

351

<210> 2737<211> 344<212> DNA<213> Homo sapien
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60gcatgaaaaa aaagtccaga atgctctgct cagaggagac ccaattttct gaatactgag
120ccctgaggaa tttcaccact ggggttccca taaatgagac cccctgtgac ctgggtggcc
180ccatccctcg gaagtgtacc ctggcatttc cataggactg cttccttctg ggcctcttag
240tgcaagccag cagtgaatg ccacatcaa gtttggtaaa tcaattctaa gtgagataaa
300ttaatgcctt ttttggggga agatgggaaa cagagtgggt ttgt

344

<210> 2738<211> 353<212> DNA<213> Homo sapien

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60gcctgccttg gctcacttc tttattttta accatctcat ccaaccttac aaaatacttt
120caattcagtg accgcagcag tcccttcaat gctgcatgag cctgggtgcat gagcctgtaa
180ctgttttccc tcctctaaga gcagtgtccg tttcttctc atcctagagt ctctgttgcc
240tagcacagtg tggctaatag aggtgctcaa gaaacatttg ttgagtgaat tgcgtaaagt
300gttataatca catctgaatt aataaataac ttaaaatgcc actgccgagc ttg

353

<210> 2739<211> 342<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggatg tgtattatac tcatatgtat tacacaaata
60tacatattct acaaacaaaa aaccctaaca gccaccaagt aaatggggac cttgtaacta
120actgctcaac cctaaagaaa tcctcaaac caagtatcca ctaaggctgg attcaacaaa
180tgttttttagg gccacagtaa atatttcagg tttggcaggc catatagta caattactaa
240attctgccat cacagcagca aaagcagcca cagacaatac ataaacaaaa aaacaaacgg
300gtgtgctgcc tgtgttccag taaaacttta tttatggaca tt

342

<210> 2740<211> 336<212> DNA<213> Homo sapien

ttatggctgc gagaagacga cagaagggat cagctttctt agttcaggcc acctgcaacc
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120aaccctgtca ctctactcac ctatataatg attttctgtg aacttaggta tgaagttgaa
180aatcctcaac ttgtcataca aggtcttcta tgttgctcct gctttagtgg ccaccaatct
240accaccccat tcaactctcc actcccaacc ctacacatgc acacctctt cacattcaat
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336

<210> 2741<211> 341<212> DNA<213> Homo sapien

tacgtctgcg agaagacgac agaaggggtg tgtgctgtac aaaggaatgc agagatatac
60gtccgatgca gctttcatct tttgggactt ggcttgcca ttacttctga ctttctcac
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240cctggcagtg tgcaggccca tgttgagcag ggcctgccc cttccttggc acctgtgat
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341

<210> 2742<211> 340<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggatg aggtggtggt cctaggctgg gatggggat
60ggtgcagtta cttgtattga caaagcttag gttgtggata tgtagatggg agatggagga
120ggaagaatca caggccaact gaatgtggag tcagaccacg gtgttcagt gatcttttgt
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240tgaggggata caggaattaa atcttgaagg aatgcttctg gataatgagt ttaatccaa
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340

<210> 2743<211> 420<212> DNA<213> Homo sapien

ggcagcaggc ggacggtggg caccggccc ggcgccacca cctcgctcac aatctggcca
60cttgggaaga aaacgtctat ttttttccc ttctctgcat cacttttttg gtttttgtc
120tttttattct tttttttt aaaccatga tctttttcc tgtgtccaag tgactgtgtt
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300gtgggcgtga agatcgttgc caccttccaa cctacctcac aggggtgttg tggggacacc
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420

<210> 2744<211> 438<212> DNA<213> Homo sapien

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60cagaagggct tgggtggttg aataggtaat cagacaaaa ctaaatgaat tttattgtt
120atgaatatag actcactaaa tcagttagaa cctgtgtaga cacaataca gattttgtct
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300atagctaaact ttcaccgagt acttacttga gccaacattg atctaaaccc ttacattga
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438

<210> 2745<211> 420<212> DNA<213> Homo sapien

ggcacgagca gaaatgaaac tgtcaaaaca tcgatcagta caaggaaggg acacagggct
60tagaatgtcc acagtcttgg cagtggactt ggcagttctc ccagtaagca gaagtacttg
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240agaactgcag caatccacag taatgttggc tacttctgag tatttgataa aggaacaaag
300tcaaaatgaa tgtatttaac aagcttcttc ctatttcca ttgtttttat aaaaatattt
360tggattgtt gcctgcattt tagccacttc taactttttg tattatgaat ttggagagga
420

<210> 2746<211> 424<212> DNA<213> Homo sapien

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60ccagaagacg acagaagggg cttctccagc acccagtgtc taatctcctt ggcctggaat
120acgaggcctc cggactggga cctgctgctc tctgcagcac ctggtgtcta agtgccctct
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240acaaacacac acacatgcac acacaagtgc acacacagag aggagcgtgc tcttctactc
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420agag

424

<210> 2747<211> 343<212> DNA<213> Homo sapien

tacggtcgc agaagacgac agaagggcac tgaatgaact ttaattgggg ttgttaaaag
60acagaattaa cgaagtctaa tttttataat gaaataagtt tttgatattg ctctacttgg
120acgatttttag tgacaaaaac tatggataaa actgcctaag cataacatta atatatttag
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240ggctttatcc ctagaatcaa ttctctcagc atcaccaaac tgaattgggtg aaatagtgtc
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343

<210> 2748<211> 337<212> DNA<213> Homo sapien

tacggtcgc agaagacgac agaagggcca tcatatttta tacgttgatt ctgaactata
60gaaaaataat aaatgggatt ttaattatag ctcttagttg ggaaagaaat atagagagat
120gtgggatttg aatgcccagc aaagacattt tattttactt gaatatattc ttgcttcact
180ttaccctcca taatatgttg tacattagtgt ctgatcaagt ttacagagtt acattttgct
240ttcctaacca ttcagtcagg aattaaaata tggcattgta taacaactgg gaagaagctc
300atagtggata taaattagag tagataatgg gtcacct

337

<210> 2749<211> 406<212> DNA<213> Homo sapien

ggcacgagga gagagagaac tagtctcgag agcagnnntt tttttttttt tttttttggg
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120ctgggtcccc ggggaaaacc ttttacccca aagggtttta ccgtgggcaa ttaaccogaa
180cctaaaaatt tgggaacata aattgggtggg gggcccaaag gaagggaaaa aaaaaattcc
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300ttaggggccc cctttttttt cggggccttt gaaaaacggc tttttttttt ctttccccc
360cggaccaggg aaaaaggggc ccctgtgaa aatttaggga aaattg

406

<210> 2750<211> 371<212> DNA<213> Homo sapien

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120caaccctcaa ccctgaaaga cagttaatct gttaggtgca ctgttacttc atggattagt
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371

<210> 2751<211> 340<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcag actttgctac ttagtacaca aacgggggttc
60cctttttaa at ttgttcactc tagttagcat ttgcagaagc tgtgaaaaat tacagagaga
120tgatgtgttg ggtaagagat ggtttaaaag tccagcttgc tgtttttcat taagtgtctt
180gaaaatgagt aagtggcggt cctggagggg aacaatcata taattccgca ggggtgggtct
240aaacttggtt tctgatagtg tttagcagct catggctctg agggcacctg ataacacagc
300agccaggcgc tgatgagaag tgtgtgccag acagaccgn
340

<210> 2752<211> 397<212> DNA<213> Homo sapien

ggcacgagcg agaagtcacc tttctccaga tcaactctgta gagtcagtgg actcaatata
60gtggcagcag gattttaata taaactggca gactgattct aaaatttaca tagaggccag
120ccgtggtggc tcacacataa tcgcagcact ttcggaggcc actgcaggaa gatcacttga
180gccagaagt taaagaccag cctgggcgac agacacttcg tggcttattt tttttaatt
240attaaaaacg aaatttaaac caggtgtagt ggctcaccct tgtaattctca gcactttgga
300atgctgaggt gggcagatca cctgaggcca ggagttcgag accagcctgg ctaacatggc
360gaaaccccg tctactaat aataccaaaa aaaaaaa
397

<210> 2753<211> 350<212> DNA<213> Homo sapien

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120ccatgtttcc tctctgcttc ttgatttgc tcaagtcctt ctagtgcctt gaaactgaag
180ctggcctgta gttgggatca aagatggagg gagaggggag attgtactat ggatagtga
240gggcaagaag tgaattctta cactggaatg ataaaaggaa cctgcttctt gagtttctta
300aaattgtgtc tggaaactcag atttgcactg ctagtatag tagctgtggt
350

<210> 2754<211> 381<212> DNA<213> Homo sapien

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120tttttgctcat ctttatctt ttttgtgtgt gtgtgacaga gtctcactgt caccaggctg
180gagtgcagtg gcgtgatctc ggctcactgc aacctctgcc tcccagggtc aggcgattct
240cttgccctcg cttttgagt ggctggggtt gcaggcgcgt gccatcacgc ccggctcatt
300tttgtatttt tggtagagat ggggttttac cgtgttggtc aggctgggtc tgaactctt
360acctgtggt ctgcccaact n
381

<210> 2755<211> 388<212> DNA<213> Homo sapien

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120ggaagacagt tctaaatgca taactttctc atgggtctaag gttgtgctgt tcaactatgg
180aaccattatc cacatgtggc tgtttgtgtt aattttttac attaatata actcaattac
240actagccacg tatcaactgt taaataataa ccacatgtgg ctagtgccta ttacactgaa
300cagcataaat agagaatatt tccatcttca tagaaagctc tcttagaagc atttgtctaa
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388

<210> 2756<211> 368<212> DNA<213> Homo sapien

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120aaagacagct gcctgaaaaa gtccctgac taagcatgaa tgaaagataa actttatgtc
180ttaaatatt aagattttgt ctttgaaca gaagcattag cctatcctat cctgactgat
240atgaagccat ttacagcttt taggtagaca tgtaacaagg tcagatttgc atttttaact
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360ctacctcc
368

<210> 2757<211> 369<212> DNA<213> Homo sapien

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120agattcagat cactaacttt ccattcttcca ctttttccag tgggtggccat gttccccctg
180ttgccttcac aaaaaccttg tgaataatac aagccatatg gactctgatt tacagtttag
240aagatgagca gaggtgggtg tgagttgccc agtcatgttg ctgattgttg aagaaactag
300gattgttctc aggtcttggg ctcttgccc atagaccagt ggctctgtgt tctgatgggg
360tattgggga

369

<210> 2758<211> 405<212> DNA<213> Homo sapien

ggcacgaggc cacttgtaaa agctgaactc tagtctgtgt cctccattct gccccgcc
60ttcctcccct tatttgtaa atgaagcaac atagtggagc gtcgtctcta caaaaaaaaa
120gaaaaaaaaa aattagccag gcatgcgaaa cgctgagggg ggaggatcaa atgagcttgg
180gaggttgagg ctgcagttag ccttggctcat gccactactg cgttctagtc tgggcaacag
240agtggagacct tctctcaaaa aaaaaaccca aaattgtaaa attacttcta tagctatatt
300ttatgataaa aaagggatgg tttctcaaaa tcgcatttta aagacgtttt atggaacttg
360ttggaatggg gacttaggag ttttgatttt gataaaaaac tggaa

405

<210> 2759<211> 399<212> DNA<213> Homo sapien

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60gcctgccttg gcctcccaaa gtgctgggat tacaggcgtg agacacacca tgcctgcct
120ctcaatacac tatttaatac atcagaccct ttggtacctc taggcagagg accgcaatta
180atttatgagc agctgttgct gtatacatgt aattatgttt gactacaaat gcatctttac
240aaaaatgggcc tagtggaatc ataataaaa tggttcagat taacttaatt cagattaaga
300aaattgtttc atactgaggt aagcgattga aaaattgtct atttaaaat gcagtgcatt
360ttaaagagtt actatttgag gatctaaaat atacagaga

399

<210> 2760<211> 375<212> DNA<213> Homo sapien

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60agtccccatc cgcacagagc tgacattcta gaacagaaga tagacaataa acaaggtaga
120caggcaaaat acatggatgt tggatgaaga agaatcccat ggagaaaaaa ataaaacaaa
180gaaggagagt tgctatgaca gtgaggccaa gataattgca ggaagtagc cctgatacca
240aggagacaat aaaccactac ttcaggactt ctagtatttt aagacaaata aactgggttt
300gtttaagact ctgtaatttt gggtttcttt acttacagct gaatgaattc ctgagaccgt
360gtgtaggaag gtgca

375

<210> 2761<211> 374<212> DNA<213> Homo sapien

ggcacgaggg cagaggttgc agtgagccat gattgcacc ctgcactcca gcctgggcaa
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120ggggggggcc cccaattttt taatttttta aaaagtttgg gcccgggggg gggggcaaat
180ccctgaaacc cccccctttt ggaagcccag ggggggggga cccccgggg cggggatttc
240aaacccaccc tgcaccagg gaaaaaaccc ccccttttat aaaaaaaca aattaacccc
300gcctaagggg gcctcccctg tatccccct tctccggggg gggggggagg gaaaacctt
360taacctgggg gggg

374

<210> 2762<211> 375<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggacc tcattacagg agtaggagtc catttcatac
60aaccttggat tgtgtggcat cagcagcttc aacactgaac cagttgtcag ggagggtgca
120aactgacccc ttcaatgcaa actatctatg caaactgacc ccttcaaagg ccattgtgag
180caggattatc cagatgttag ctgccacctt caggggaattg ctgttctagc tttgctttgc
240tactggctc tgtgccacat gatgagcctg cactttcagc tcagctgctt tgtgctgctt
300ttactgagtt tggctgagac tctttgagag aattctctga cctaggtcag taatttagat
360aatattttgt tagtt

375

<210> 2763<211> 398<212> DNA<213> Homo sapien

cagaagcctg gattcaattt tcattcctga taaattgtac gaactttggg cataaatatt
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120cagtgatatt tacttagaat gggttaattc catthaaaac ttttttttg ctgctcaggg
180aaaagtgact tgataacaca cagagtgacc cctcatgttt gcaaattcca ggggccatgc

240ctagtgactg cataatacga ggggctggag ccctgatccc tgcataagg catgtaacag
300cctgcatccc tagatttcag ggataactct ctgaagcctg gaaagggta gtattccaca
360ggctgcgccc tctcatgctg tccattttga gtaacccg
398

<210> 2764<211> 376<212> DNA<213> Homo sapien

tctacgggtg cgagaagacg acagaagggg tttttaaatt gttacaaaa aatcaactaa
60attgttcaca tgagaacatg tcttggcaaa aaaagaaaga gaaaataaga gaaaacaact
120aaattgttgt taatgttaga taaataagag gcacttattg attcaaccac agttttcttg
180agatcaactt taatttttgt ttgtactttg gtggtagctt ttttcatttg aaagaaatcc
240aaaattaaaa ttacattgtt aactaaatct tacttttttg tgtgaatttt tgtaattaat
300tttcataaga cactcttgtc tttgagtaag tttcttgttt gtaacaaca caacacaatt
360tatcactatg aatgaa
376

<210> 2765<211> 383<212> DNA<213> Homo sapien

ggcacgagta tttattgaat tcttatttaa aacaaacaga aacataagg gcaaggggca
60gggagaggaa agcctggcgc ctacaaacat gaaataacgt aagatgtaaa acattgattc
120atatacaaat ggtaattcc aagtgtctg ctactaacta tggggcacct taaacattgt
180tcggcaagaa gaattctcata gtgtgataac ttaatgcttt aagtttaaat atatttcata
240agttttacca atctgatgtg ttattttcta tagatttcca gcacctatct agagagcaat
300tgacctatac cgctgagtcg ttattatgtt ggtgctaact tttgttgact agcatttgc
360gaagaggca ttctgggaag agc
383

<210> 2766<211> 373<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggaaa tcataaggat attcttattg tgaataccct
60gtagcagggt aatctggact caaatcagggt tgcccattgt tcccaattc acttcattac
120tttcccaacc acttccccct taacttgctt tcccctgaac cgtagcaaat agtaatgcat
180gacaagctga taggaggaa aacatgacaa gtgaggttga gttagaaagg aaaagcaggg
240ctatgaggaa ctgaataaga gatcagattt gtatttttcc tttggagtct tgagaattgt
300aatatttgaa acccttggca gaaaataaaa tcataaccaa gtgactcaga anaaacatac
360taatgctaac tgt
373

<210> 2767<211> 379<212> DNA<213> Homo sapien

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60tctctcagac tctcagccc cagagagtat caggggtttt tcccgtcct catggacccc
120accactgcc catgactgct actccccgaa agcttccaga gggtagagt gcaccattg
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240agcctaagga ggagatatca ggaagcggaa ctgagcctgg aggagcaaag gaggaacca
300aagtgttttc tggaggggac actgaaggga atggggagct agggttcttg ttgccttcag
360ggccagggcc aacatctgg
379

<210> 2768<211> 338<212> DNA<213> Homo sapien

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120ctgaggaagt gatgaaagaa tggaaatcaa tatgtaagag ctcaaaagtc agagttagat
180gtttcttct atactgcctg cttctaata gcatccactt cattgaacca cctcttcatt
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300tgggacatta aagtatgggt gggctgacag gtatgtgn
338

<210> 2769<211> 390<212> DNA<213> Homo sapien

ggcacgaggg caggcagatc acttgagccc agaagttgag accagcctgg gcaacatggt
60gaaacctcat ctctacaaaa aatacaaaaa ttgcccagac atgatggtgt gtgcctgtgg
120tcctagctac tagggaggca gaggtgggag gatcacttga gccaggagg tcgaggctgc
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240aaaaaaacca ccaacaggga aaggccagga cgacgaggag aagttggtat ctttttgta
300gctccagagt ttgtgctggt gaaagaaggt taggatgtan aaaagggtatt tagagacata
360cagtggtgc tcttcagtat tcttcaaggg

390

<210> 2770<211> 375<212> DNA<213> Homo sapien

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60aggaaatctg ttagtctcca ttccggagg tcttgctatg tagaaaaatt ggatgacttt
120attgcttaag tcaactataag aatgttttct gttacctgca acccaatgca cccaactaat
180aaagtatgtt tctagaaata cacttgctcg cactcatttt ttaagacaca cagaccacat
240acacatggag agatattttt aaaggtcttg tactacataa attgtactat tttttaattt
300aaaaatatgg gccaggtgca gtggctcaca cctgtaatcc tagcactttg ggaggccaag
360gcaggtggat caca

375

<210> 2771<211> 379<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaggggtca ggagtttgag accaacctgg gcaacatgg
60gaaaccctgt ctctattaaa catacaaaaa aaattagcca ggcattggtg cacacctgta
120atcccagcta ctgggaggtg gaggtttag tgagccgaga tcatgccact gcactccagc
180ctgggcgaca gagcaagact ctgtcacaaa aaatattctt ccagttttc atcatcatgg
240ctacaagtta ccaaggtcat ttgtttattt ggtcatttcc ttgaggcgga gaggccaaat
300tgccttggtg ttgtaccagc gccaacctc tgatgtttgt tgaattaatg aacaccatt
360tttcagatca ggaaagggg

379

<210> 2772<211> 330<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggaaa gtatataaca aaaattgtat atatcaacac
60aattttaatt tcaaaataag aatgttgaat ttttaaaaag caagttgctg aggtaataca
120aatgtatgac acaacttata tatagtttaa acataatata acaagagcaa atagtaaatt
180atgaatttga atgcatatgt gtggagagtg tgggggtgag tgtggatgtg ggggggatgt
240nnnnnnntnn tgnnnngntg tgtnntann ngtnntttt tttctttttt ttgntttttt
300ggggtggtta tgttgtcagg ggtttggtt

330

<210> 2773<211> 348<212> DNA<213> Homo sapien

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60tttatgtata gataattggg ggcacaaaaa attctaggga acctcaaaa tatttactag
120aataaataaa attagcaaaag ttataatgaa acataatgtg gccaggcatg gtggctcagc
180cctgtaatcc cagcactttg ggaggccgag gtgggttgac cactgaggt agggagtttg
240agaacagcct ggccagcatg gtgaaacct gtcttacta aactacaaaa attagctggg
300catgggtggtg tatgcctgta atcccagcta cttgggaggc tgagtcag

348

<210> 2774<211> 408<212> DNA<213> Homo sapien

gtcttgctgt tcttaacctt ccaaagcagg caagtagacg cacatgtgtt ttacacacgt
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120ccttctcaca ctgcagtaat ttgtgagtg acctgaaaca aggatcttaa tgcattcagc
180tctgtttcct caaccccaaa atgaagggtt tggaccagat gccctcaagg ttcctcaagg
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300cctcaccagg acattttggt ttctgaacat tgggctctg tggttgtgta catacacca
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408

<210> 2775<211> 337<212> DNA<213> Homo sapien

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120ctcaaattgt aggtccaga gttctacatg gggagcatct acttggtgct tgtatcatgt
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240tcatgccttc agaataaatg tatagcacat ttcaccaggt tagaaactcc acaaagggta
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337

<210> 2776<211> 338<212> DNA<213> Homo sapien

ttactgttgc gagaagacga cagaaggggc tgggggagct gcctgtgcc tggcctggcc
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180acggcctctt gtgaaattat caaacgtcac caggtgccag aggcaggtgg gcagaacgag
240gctgaggttc actgggatgc tgtggttaag gcctctgctg acctgtgctg tgccggccac
300tgggagtgtg aatgagcaa acggaacag aaggggtgg

338

<210> 2777<211> 376<212> DNA<213> Homo sapien

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60tggtatataa cacatttact tttcataaat ggtgttatct ggcaggtatt ttttggttc
120cagaataaaa gttttaaaat taaaaggggt atccaagtat ttttaggagc ctagtatttc
180ctcacttact cccaaactct aaaagtagat tggctttatg ttaaacagag aattcgtaca
240gaaaaatct tcaggactgt attcattcca taaataatgt actttatttt attgcatatg
300gctattaagg agggcatcca tgatcaatac agactaata caatgcacta ttctagtcca
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376

<210> 2778<211> 357<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggtct attactcgac tttgaatttc tcacacagct
60ggcattaaat tcctcttctc aagaaactta caagtagttg tagattatta tcaccagagc
120tgtcaataat tgtatctgca agaaactgcc agaaaacagc cagtatacct gtaagggtt
180caagctaaat agaatttata aagacactat tacagagata taggcagagt tagggactgg
240caccaggaa ctcacaatag cagggagccg ttagcacctg cgatgggctg aatcatgttc
300ctccgagact cacaagttga agcctatcc ccagtagct gataatgtga ctgtatn

357

<210> 2779<211> 375<212> DNA<213> Homo sapien

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120gggaaggaaag ttgaggtgtg gtataagcag ggaagctgt tggatgcaag gttggagta
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240atgatttgtg tggatctgtg tgaaattctg acttggctag cctatttcaa aatgcacgat
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375

<210> 2780<211> 337<212> DNA<213> Homo sapien

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60gaagtccaca ggtcatctgg gtcatgtct gatctgagcc agcctcactc actcatgtgt
120ctgggtccact ggcagtttga aagggaaact aattcacatg tctggcagtt ggctgaatgt
180tggctagagc aataggatga ctagaccata taccttttgt tctccaacaa acagttgcag
240gggaccaggg gagcaagtgg aagcatgcaa tgcttcttaa ggtctagtat cagaagttgc
300acactgtcat ttccactgaa ttatttagct gaagcaa

337

<210> 2781<211> 391<212> DNA<213> Homo sapien

cgttgtgtc gggacaaagc aaaacacata ccataaatgc ttatcattta gatcccaggg
60gccccaaatc tgaactggag catgagtttt atgaattaga acctctggct tcccacagct
120gcactgcccc tgagaagacc acttatgaag agaccacat ctgctctgaa tttttcaaca
180gccaagcaaa gaatttaggg atgctgtgc atgcagctta caacagtga ctcagcaaaa
240gcactgaaag tgacgtggc tctgccttgt tacagcccc tcttgaacag cataccgtgt
300gtcacttctt ctctctgaat cagagatgta gctgccaga tgccataaaa cacttgaact
360atggcccaca ctcttgccag cagatggggg a

391

<210> 2782<211> 378<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggtgt aaggggaagg caaatactgg atcttgggaa
60ccactgtaat ctactttgtg tctagcctat ttcttatatc cattgatggg tcctgccctg
120gctgtgcttt cctgttggct ctctttgatg ctggattctc tgtacctgc tcccacactg
180cctctgctg gctttctca gatataagg accaagtagt cacatttccc ctaccatgca
240ttgggtgtgc ttcttactg aagaaaacac ctagggactg accactctc cctccacca
300gatcttccca acccagtgtg ttctgaggct ttagggtaag gcagctagt aaatttttct
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378

<210> 2783<211> 362<212> DNA<213> Homo sapien

ggcacgagat gaaggcccat gaggcggctt ttattgaaca ggaacaaaaa gaagctgttg
60cgtgagctga gaaagcaccg ggagcgtgtg gagctgatga tggatctgcc tgggggttcc
120attgcagacg agggggagac tggcatgttc tccttgtagc ccatccgggg tcaccagtta
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300gacctggatc cagaggagct ggcaggagtc aggggacatc aggttctaag ggacaaaaag
360cg

362

<210> 2784<211> 336<212> DNA<213> Homo sapien

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120tcattggagcc caggcgtggg cagggcactc cgtgggtggg tgctgagtga agaggcaagt
180agatgaaagg gcccaggtca tcctggccat gtcaggagca gggaagggcc cacctgggtg
240aggggatggc cagaggagct gtggggcagc attgcgggca ctcacctggg gggcctctca
300tccccattgg gccccgactg ccggcatctc ccttgg

336

<210> 2785<211> 378<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggctg tagtcccagc tacttgggag gctgaggcaa
60gagaatcact tgaacccggg aggcggaggt tgcagtgaac caagacagca ccactgcact
120ccagcttggg taacagagcg agactctctc aaaaaaagag caacaacaac aacaaaaaaa
180accatagcca tatggcttga gtaaggaaag acagagttgc tatttgttga gatggggatg
240acagtgaata gagcaggctt ggggtgggtg aaagtgcata tgtaagtgtt cgattttgga
300tatacttaat ttgaaacgtc attatacaac caagtggaga tcttgcattg acactggaga
360tacatggcca aaaatatn

378

<210> 2786<211> 373<212> DNA<213> Homo sapien

ggcacgagc aagatggag cgactacggc tgggtgtggc cggctagagg aagaggcgtt
60gcggcgaaa gaacggctga aggcctcagc ggagaaaacc gggcgcaagg acaaggaaga
120tggggagcca aagaccaagc atctcagaga agaggaggaa gaaggcgaga agcacaggga
180acttaggctg cggaactatg tcccggagga tgaggacctg aagaagagga ggggtgcccc
240ggccaaaccg gttgcagtgg aggagaaggt gaaggagcag ctggaggccg ccaagcccga
300gcccgtcatc gaggaggtgg acctggccaa cctcgctcct cggaagcctg actgggacct
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373

<210> 2787<211> 410<212> DNA<213> Homo sapien

ggcacgaggt taaacagaag agccatcgtc caggatcagg gatgtctgcc tggccttatt
60ttatttatgg accatcccaa cctccagtc gtccactccg ctttgcctgc tcttcgatac
120ttggcagaat gccgtgcaaa cagagaaaag atgaaaggag aactgggtat gatgttgagc
180ttacaaaatg ttatacagaa aactacaact ccaggagaaa caaaacttct ggcctctgaa
240atctatgaca ttcttcagtc ctccaatatg gcagatgggt atagttttaa tgagatgaat
300tcacgtcgaa ggaaagctca attttttctg ggaactacaa acaaacgtgc caaaacagtg
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410

<210> 2788<211> 407<212> DNA<213> Homo sapien

ggcacgagc tcgtcctgcg gcggccccc agcccacctg cttcctatcc gtttcctgca
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120gcctgcatec tctgccctcc ctgagcctcc tggcctggct ggccacagct ggcattggag
180ccatcagcag gctccgtgca ggcggacggg ggcagcccc acagccaggg caccctggac
240ctcactcacc agcacccttt tggcttttct ctagcaaaat atgcaaaagt tgaccagtgt
300ggaaacccaa aggtgagtggt gttccggctg caagccacca aggttcagc tttgggggtg
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407

<210> 2789<211> 388<212> DNA<213> Homo sapien

ggcacgagtg aaaaccttat tagtggtgtg atagtagaga agcttttagt caaaagtcag
60tttattaaat gtttagaata cctaaacagg aagaaaattc tattgttttt tataacaaag

120tggagattt caagaaagga caactcactg tacacttgag aataatacct acagaggttc
180atactgaaga gtagtctcaa taatgtaaag aatttgacaa gcatgatgct attgaaatag
240ttctgtaagg aagtgggtgt ctttatacat caattattac aaaaagcagt gaattgtaag
300tgtgaggtgt gtttacttag atgtgaagag ttctccttac tgctgtgatg gaataacaag
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388

<210> 2790<211> 334<212> DNA<213> Homo sapien

tctacggttg cgagaagacg acagaaggga accagaacca tatagttagt gggatctggg
60aaagtagttc ccagcttaac agttaacaca ccacgcacca ccagtacaat ttgtgttttt
120gttctgggtg ttaccattat attaatacct ttatatggtt ttctaatttc cttctctttt
180gggggggagg ggtattatgt gtctggctct cccattttac attaactatc actaatcttt
240taaatgagta ttacattagt gtctttatcc gcggactgcc tcaattttca ttttatttct
300tccatgagtc aacggccctt attcatactt taac

334

<210> 2791<211> 399<212> DNA<213> Homo sapien

ctccgttgct gacggtgccca gggaaacgga ttcatctacc cacgaaggac gcgggagatg
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120aggaactgca tgcagggcgg cgggtccgt ggcaggcaga ggcaggaaga ggcgcggagc
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240cgtggggcct gggccgcccc agggggcct ctggctggat tcttagcaga tggagccgt
300gcaagggcag gaggcagggg cctgacgtgt ttggattgag gttgcaggag gggccctgg
360ctgcttcagg gagaataatt tggaggcgag cggngagg

399

<210> 2792<211> 395<212> DNA<213> Homo sapien

ggcnnnnntc tgcagcgcc tacggctgag agaagactac agaaggcac agaaggcggc
60tctatgagaa gagctctttt aatgtgggaa ttgatataca agaaggtact tagtccataa
120gatcaggatg tacaagataa cccagaggg cgtcagcca agtttagagc cactatcaaa
180ttataagtta ccatcatctt attcttcaaa tttttctgc aggttctcta gtcttactc
240atggtatgtt cctgaatgtc ttgatatagg ttaagtatg ggacagtcta aaaattgata
300acatttagca ttttttttcc tcacaaagaa actgtggaaa atattagcat gacagagaaa
360gttccactca cggagtagca tctcaagacc ggaaa

395

<210> 2793<211> 372<212> DNA<213> Homo sapien

tctacggctg cgagaagacg acagaaggcg ctgagggtct gctctgcctg cctgaggact
60gacccaagct atattctgag tcagggctag ggcagctta gtgccaccac aaaggccttc
120cctcagcata tataacctca ctgtctccca ggagctatgg gggtaataca ggcattggga
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240atggcccaag gtcaatgtgg ggagtgtcaa ctggataaat gatattcagg gaagcccatc
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360tatggaggcc ac

372

<210> 2794<211> 372<212> DNA<213> Homo sapien

ggcacgagag agagagagag agctagtctc gagagcagct cttttttttt tttttttttg
60ggggggggga aaaaaccccc ctttttttgg gcttttaaaa aacaaccctt ttcagggaac
120tgggggactg gaaaataaaa ctccccggg gttgggtttt tgggaacctg aagcctttta
180gaaggagag ggtttttttc caaaacccc aggggagggg gggcttttga tttttggaac
240acaaaaagg gccccctg gggggggaaa aaggctaaac cttccccctt acctggggaa
300tgagccccct cttttgtccc cttctggggg ggggggacgg ggcccttttt ttttttgacc
360cagggggcgg tt

372

<210> 2795<211> 393<212> DNA<213> Homo sapien

ggcacgaggt cccacctgaa gaaaatccat ggggtgcagc agcagtatgc ctataagcag
60cggcggggaca agctctacgt ctgcaggat tgcggctaca cgggccccac ccaggaggac
120ctgtacctgc acgtgaacag tgcccacccg ggcagctcgt ttctcaaaaa gacatctaaa
180aaactggcag cctttctgca gggcaagctg acatccgcac accaggagaa taccagcctg
240agtgaggagg aggagaggaa gtgaggagaa ggaaggagg gacagacgtt cacttgcca

300cgtatgtcta cgtggatttt tggttttcag cttccccac cccactggct cttcttaatt
360agaagtgacc agttcacctc tgtgtccttt tga

393

<210> 2796<211> 353<212> DNA<213> Homo sapien

tacggctgct agaagacgac agaaggggaa ggatgtggct ctgccatgaa ggatgtcctg
60ttgccttttaa aatctggaag cgattcaagc caagctgacc aagaagccaa agaactggct
120aggcaataaa gctttaaggc agaagtcaat tcatctggaa agactatctc tgagtcagac
180ttaaaccact ctttttctact aactgattta caagatgata tacctacaac attccagggt
240gctacggcca gtacatcgta cggagtccag aattcctcag cagcatcctt tcatcaacct
300acccaacctg tagctaagaa tacctccatg agccctcgac agcgccgggc cca

353

<210> 2797<211> 379<212> DNA<213> Homo sapien

ggcacgaggc aggaacagcc ctcaagcctg tgtcgggtggc ctgcacccag ctggcatttt
60ctggccctaa gctagcggcc cggctcggcc ccgcccaggt gcctcctcca cggcctgaga
120gcactgggac tgtggggccc ggccaggccc agcagagact ggagcagacc agctcgtccc
180tggcagctgc actgagagcc gcagagaaga gcattggcac caaggagcaa gagggcacc
240ccagcgctc caccaagcac attctggatg acatcagcac catgttcgac gccctggctg
300accagctgga cgccatgctg gactgagccc tccagcagtg cccactgtga cctgccgaag
360tccactgcct ttgcccag

379

<210> 2798<211> 380<212> DNA<213> Homo sapien

ggcacgagat tcttttgtct aaaacttctc gaaattgatg cttgtactct actggctccc
60tgatgatagt agaaaagcac tagtaatgta ccaaatgaaa ctggttgtgt accagatgat
120tttggttaact tcttaaatag cctagaaatc gtcagcaggt cacatacaac tgcaagtata
180atttcagaac atagcaaaat ggctgataat ttggatgaat ttattgaaga gcaaaaagcc
240agattggccg aagacaaaagc agagttggaa agtgatccac cttacatgga aatgaagggg
300aagttgtcag cgaagcttct tgaaaacagt aagatactga tctctatggc taaggaaaac
360ataccaccaa atagtcaaca

380

<210> 2799<211> 340<212> DNA<213> Homo sapien

tactgttgcg agaagacgac agaagggggt tgtctgaatt gggaccggaa aacgttgtcg
60ctcatcctat gacgcgaaag taaccgagac tatcaggatc cggagacgga aatgtccgaa
120ggcagcagta cttgacctg tattttggga gtcgaacgga gaatggaaac tgaaagtgga
180aatcaggaaa aggtaatgga agaagaaagc actgaaaaga aaaaagaagt tgaaaaaaag
240aaacggtcac gagttaaaca ggtgcttgca gatattgcta agcaagtgga cttctggttt
300ggggatgcaa atcttcacaa ggatagattt cttcgagaac

340

<210> 2800<211> 368<212> DNA<213> Homo sapien

tcgaattccg ttgctgtcga gagctaggag ttggatgggg aaggacgccc ggccaaaagc
60caggaaaagg ggaagcgctt ggatggaaag gacgagtttg aggacctcga gtgggtccgag
120gaggtccaga agctgcagga gcagcagctg cgcagcgacc tcctggacca gtaccgttcc
180ctgctggttg agcggaaaccg ctcccagcgc tacaacctat acctgcagca caagatcttc
240gagggcgtgc gcagaaagaa gggcctggag gccgctgagg tggctgaccg gggcgagag
300gccgaggccc ccgagaaaga gcaagcgtag ctgcgccatc tgggcatgct ggaggagctg
360aagaagcc

368

<210> 2801<211> 413<212> DNA<213> Homo sapien

cgacgaggca agatggaggc gactacggct ggtgtggggc ggctagagga agaggcgttg
60cggcgaaagg aacggctgaa ggccctacgg gaaaaaccg ggcgcaagga caaggaagat
120ggggagccaa agaccaagca tctcagagaa gaggaggaag aaggcgagaa gcacagggaa
180cttaggctgc ggaactatgt cccggaggat gaggacctga agaagaggag ggtgccccag
240gccaaaaccg ttgcagtgga ggagaagggt aaggagcagc tggaggccgc caagcccag
300cccgctcatc agggggtgga cctggccaac ctgctcctc ggaagcctga ctgggacctc
360aagagagatg tggccaagaa gctggagaaa ctaaaaaagc ggactcagag ggc

413

<210> 2802<211> 386<212> DNA<213> Homo sapien

cggttgctgtc ggcggctccg atttatgtct gtgggagtct cggagacgtg tctgggtgtg
60aggcgctggg tgcacgtccc cagggtctctg ggctaggaag gcagcggcga ggtgcctccc
120cacgtacccc tcgcggggccc agccgagcaa cgtggggcga aggcggcggc gaaggcccgg
180gctgggagcg ttggcggccg gagtcccagc catggcggag tctgtggagc gcctgcagca
240gcgggtccag gagctggagc gggaaacttg ccaggagagg agtctgcagg tcccagaggag
300cggcgacgga gggggcggcc gggctccgcat cgagaagatg agctcagagg tgggtggattc
360gaatccctac agccgcttga tggcat

386

<210> 2803<211> 344<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggttt tcaaactgga gaaagtgatg gatgatttca
60gaacttcagc tcctgagcca agaggtcctc ccaaccctaa tgctgaatat attccctttg
120atgaaatgaa ggaagaata ctgaaaattg tcaactggatt taatggatc ccttttacta
180ttcagcgact atgtgaattg ttaacagatc caaggagaaa ctatacagga acagacaaat
240ttctcagagg agtagaaaag aatgtgatgg ntgttagctg tgtttatcct tcttcagaga
300aaaacaattc caatagttta aatcgaatga atgggtgatg tttc

344

<210> 2804<211> 437<212> DNA<213> Homo sapien

tagtgcttct gagattccat ggagagcttg cttgatcttn ngccccgcgc ggcctacggc
60tgctacaaga ccacagaaag ggattacagg tgtgggccac cacgcccagc cctcttggtg
120aatttttgat aaataacaca ttactattg ttggtttaat gaaaacagct caattctgag
180gtattgctaa aatactgata ttaacctta agtttcttac ttaggtcaga aactcacagg
240ctattaaaaa ggtaacagg aatagcttt aatgatgac tatcacagtt ttcataaata
300acctatgtaa actatcagca ttactcatgt taatgtaatg gaataaatgc ttataaacia
360acttgatata taatttagaa tctaaagtta cattaataa taaaactcat taactgggta
420gcttctaatt taaaaac

437

<210> 2805<211> 385<212> DNA<213> Homo sapien

gcctacggct gcgagaagac gacagaaggg catagaggag taattgggta attcctgtgt
60cttagggaag tctctctggc tcccaggagc agcatactag acacagagga ccaagtagtg
120ggctcctagt atccttctgg tggccaaagc cttcacagtg aaaatagata ggaagagcca
180cctcgcctgg cccgatattt gtttttaaaa ggctgggcat ggcttatgcc tgtaattgta
240gcacttcggg aggccgaagt agggagatca cttgagacaa ggagtttgag actagactgt
300gcaacatagt gagagcccat ctctacagaa naattttgta gggccgggag cgggtggctca
360tgctgtaat cttagcactt tggga

385

<210> 2806<211> 401<212> DNA<213> Homo sapien

ggcacgagcc accatgccc gccaagccat gaaatcttaa tggctcaact aaacaaacat
60ttattttctca ttcacactac atgtccatgg tgaggaagac cactctgctc catattgtca
120ctcagagatc tagacagatg gagtctttac tatcttatga tgttgctgtc tcaacacaca
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240ttggccctgg ctagcatcag tcctatgaat cttctcagt gctagggagt tgggatgtgc
300agtctccct gatgcccaca cagaacaggc aaaccagata ttactgagt caagaaatcc
360ctactatgtg tactagggaa caggattcaa gctgtattag a

401

<210> 2807<211> 401<212> DNA<213> Homo sapien

cggttgctgtc gatcttggtg ctctccaggt gatgtgttg tgatatggg tcaactaagt
60aagacagggt tccaggtaga acatagtttt tgctcatttt tctctgggtg tccagggctg
120ccatccctac tctactctg ccttggtgaa ttcttccctc aaagggttta agcgtcttaa
180gtgttctca cattcccaga taagccttg tgctctacct gggatgcagt cgggtcccgt
240taccagatg ttgaaggat taaatacttc catgcctgaa ctgggtgattg gacttggtga
300aatgtttttc cttttttcct cttttgtccc ctggcactgg gatgggtggtg gtctgtgggt
360gctgtctcaa ggtgccctta aaaaaggaca actcagaaga g

401

<210> 2808<211> 424<212> DNA<213> Homo sapien

tgctcgagag agagagagag agagagagt ttatagagag agagagagag agagagagag
60agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag

120agagagagag agagagagag agagagagag agagagagag agagacacac tctctctctc
180tctgagagtg tgagagagag agagcggggt gtgagacccc cccctctct ctctctgtgt
240gtagtgttct tctgtcgcgc ggtatttttt atctatctct ctctctctct ctcatatata
300ccttttcccc cccctctctct ctctcacaca catatttttt ttttttttt gtgtgggtct
360ctctctctat aaaacacacc cctctttttt tttctacttc tgtgtgtgcy ctttcttcac
420accc

424

<210> 2809<211> 407<212> DNA<213> Homo sapien

ggcagcgagaa gagatatata tcagcttcta gtaaaagttt ttttttttaa acctgctagc
60tacatttaca ttatgtaaaa ataaagggaa taatcactga gaataaagca gttgagtatt
120tataacaata atattttatg gggcgcttat aatgtttata atattgtaaa ccactgtgta
180ctctattcat ttaatgctaa atgacttgac cattcttggt ggataagaga tcattaaaaa
240aatgctaggg ccgggcacca tggctcacgc ctgtaatccc aggactttag gaggccaggg
300caggtggatg acttgagctc aggagtttga gaccagcctg ggcaaatga tgaaaactcc
360gtctctacca aaaatcaaaa aaaattatcc aggtgtgatg ttgtgtg

407

<210> 2810<211> 411<212> DNA<213> Homo sapien

ggcagcgagat ttanaaaaaa tactaatacc atagcattaa ttgtgatgat gaaaacagca
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120ttcaggtctc ataaccagtc tatagtcagt gtcattcttg ggacagtatt ctttgagttt
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240cttgatttat tctgttttct tccagcataa agtgatgcat gaaaagcctg atgaatcttg
300ttttcttccc ctgacagaca tatgtggtt ttccttatat gcccaaagga ttttttcctt
360tctctgtcaa ggcggtcgtt ntattcgaat gagcatgtgt agtatcgggtg g

411

<210> 2811<211> 381<212> DNA<213> Homo sapien

tacggctgcy agaagacgac agaaggggtcc aagcaagtag ataatgtaat aatcaaaaaa
60taaatataaa agtacaacaa tactacatac tctgaaggag gggtagataa atcatgctat
120aaaggcatga tcaaaataaa aagtttggat ctgcacagag aggtcagagg tttctctgtg
180gaagtaataa gagaattaag aactgaagga aaagaagggg ttaactatag aacgacaaag
240aatcacattc taaggaaagc aaataacaag cactaagatc ctgtggttgg agagaatatg
300ttattcagta gagccacaag atggtacctg tggctagaat gctagagaga gtagagaaca
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381

<210> 2812<211> 394<212> DNA<213> Homo sapien

ggcagcagggt gacctcaggc ctacataacc tttctgtacc tcaacttcct catccagaaa
60acagggatga tgctgtctac ctattggat ggttgtgcag gatcaaagat tcagtcattc
120agcaaaccta taccgagtac ctactgtaca ttcattgagt ctaggcagcc agccttccag
180gtgtcaggt acatctgtga acacaactgg ctattggagg aagcaaaatc agtaaatga
240cctgctctct ttgatctgtg ctacagaaaa aaaggaaagt ggagaggcat caggaaagtc
300ggagtgtggt ggaggggctg gtaacagtca tggattataa gaggagggca ggcaggcctt
360actgtgaagg tggatttga gatgaagtag ttgg

394

<210> 2813<211> 386<212> DNA<213> Homo sapien

tacggctgcy agaagacgac agaaggggga ggattttcta attcttttct agttttgact
60ctgtagtttt tcataagcag taggagcatg atcatgagac ttaggaggag caaactttgt
120cccagtatag tttaagaaat ctcatatctt tatacaaaat atgtttgcag ctgaacttta
180cataccatct tgggtgtgag acagtcagat aggtcctcct gtgtgtatag tgcctacaaa
240tcccaggaat atgaaaattg tatagattcc tagttgtggt ctagagaagt gagagttgaa
300atgttctaa atataaggaa atgcaggttt tgccttagtt atatataaag ttgtcatcat
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386

<210> 2814<211> 385<212> DNA<213> Homo sapien

cggtgtgtc gatttttaat tgagcaaata ttgtatagat ggttcatttg gtcacccatt
60ttgaataata tatggaaagt taaaaaatgc ttctcagata caaaggaata aagctaagat
120gaagcctaac gtgagggatt acttactgtg gaattgcatt tcaaactggg ctgaggtggg

180atggtggtgg tagataagag gccagctaga gtaaacataa gctttgtagt tttattattt
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385

<210> 2815<211> 392<212> DNA<213> Homo sapien

cggtgctgtc gaaaaaaaaat tagctgggag tggtggcaca ttctgtaat cccagctact
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120attgcgcatt gtacttcagc ctgggcaaca agagtgaat gccgtcttaa aaaaaaatt
180tcaaacatgc agcaagggtg aaagaatact acagtgaaca cccatatgcc ttctgtttgg
240attcgactgt taaccaacat ttaaccattt tgctttaact etatatcctc cctttcttga
300atgatttgaa attaaattgc agatatactg cttttccctg taataacctca ggatgcatgt
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392

<210> 2816<211> 406<212> DNA<213> Homo sapien

cggtgctgtc ggcgcggggg gcgcagctta tgaggcgccc ggacctggga agccgattcc
60aatcagttgt cagacccggg aagcccgacg ttccgctctc ccgagtcctt ctgtggggtg
120aggaatgggt cttgtgaaat tctgagcaaa aacaaaggca aactctatct ccgaaaggga
180cgtttggtgc acatttcctc tctgggggag gactccaaag ttctcaaat gagaaggcag
240aaatgaaaac acttcaactt ttttttctt ttcttcccg ggagggtgtc ttgaacctt
300cttctccccg cccctctggc tccgttctcc tccctcctc caccgctctc ccggactcgg
360gggtggcgcc tgacaccccg acactttcgg acactgtttg ggtaan

406

<210> 2817<211> 405<212> DNA<213> Homo sapien

ccatcgattc gaattccggt gctgtcgaaa attttaagt tccattttct agccttacca
60cgtatcaagt gctccatagc cacacgcagc cagagcctac tgtactgtgt agtgtcagca
120taaacatgt ccatagttgc agcagctcc attggacagc atgcttagga caggagtgtg
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240aagcctcgcc ccttctttc ctacccccca gctctgtctc tcaactgtga gggccttgga
300tgtgcctgga gcagaggcca ggcaggccct ggaagcagtc ttgggctgta tggatggggg
360attccagatc gtatatgtag agcatactct aatgtgggg cagga

405

<210> 2818<211> 386<212> DNA<213> Homo sapien

ggcagcaggc aacatggcaa aatcccatct ctacaaaaca tcaaaaaaaaa aaaaaattaa
60ccgggctg gggggccacc cctgaatccc cattttgtca ggaggctaaa ggggaagaat
120cccctggccc caggggggca agggatccag ggaccaatgg tttaaccatt gctttttacc
180tgggggaaaa aaaggaaacc ccgtttaaaa aaaaaaaaaa aagaaaaaat tctaaaaacc
240cttattttta taaaacttaa aaaggcgagg aaaaaatagg ttttattatc ttattttaac
300aaagggaaaa ttgggggcta aaaaaataaa agtttattgc taagggcctt gggcttaaaa
360tttggaac ccttgtttaa aatccg

386

<210> 2819<211> 386<212> DNA<213> Homo sapien

tacggctgag agaagacgac agaaggggga gacgtgactg aggatacact tgctgaatgt
60attgattccg tcagccttga ggcagaaccc agatccgaaa taccctgca agaacagaat
120tatctggctg tggattcccc tccaagtgga ggaggatggg caggctgggg atcctggggg
180aaatctctgc tgcgtcagc atctgccaca gtaggtcatg gattgacggc agtcaaggaa
240aaagcaggag cactctacg gattcatggt gtaaattctg gatcttctga aggagcccaa
300ccaaatactg aaaacggagt ccctgaaata acagatgcag ccacagatca gggcctgca
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386

<210> 2820<211> 380<212> DNA<213> Homo sapien

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120cggagctggc cttaggtggt caccatagt agatcctgaa ggcttcgaag aggccacaag
180aagtacagga atatagccca gtcttagcgg aggccatgca gcagatgggg ccctggggag
240ggattccgga gcacctggtc ccatgctggg gctcagcatc gctgtctgtc cagggatgag

300catgcaaagg ccacatcctg ctgggtctaa gctctggatc ctggtgagga cagaactcag
360canatacagc tcagtgtctg
380

<210> 2821<211> 396<212> DNA<213> Homo sapien

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60ccaagaacac gtgatggctg ttactgcacc cgcgaaatca ctgacacgaa aagttcacgc
120tggtgcctat cctacagaag aggggtgcat cttcttgga gtgaaagacc agctgctgct
180catgtacctt atggatttga cccacctcat tctggacaaa gcctcaggag gatctctcgg
240ggacatgatg cagttttgag actggtggag attcgacagg ttttgga aaa gcttcgtccc
300ttggacaaa agctgaagta tcaaattgac aagctgatca agactgcagt gacaggcagc
360cttagtgaga atgaccact tcgttttaag cctcag
396

<210> 2822<211> 382<212> DNA<213> Homo sapien

cctggcaaac cttgttgccc tggcagaaaa tataaccag gaacgtgaca gtcttatgtg
60tttgcaaaa tgtttagaaa gtgagaagga tggagtgtt aataaagtca taaaaagcaa
120cattcgctc ggaagtttag aggaaaaagt caagggtac aagaagcagg cagcactgaa
180gctgggggac atcagtcacc gtctgctgga gcagcaggag gacttcgccg gcaagacagc
240ccagtaccgg caggagatgc ggacacctgca ccagggtgct aaggacaagc aggaggtgct
300ggaccaggcg ctgcagcaga acagagaaat ggaaggtgaa cttgaagtta tttgggaatc
360taccttcagg gaaaaccgaa ga
382

<210> 2823<211> 382<212> DNA<213> Homo sapien

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60ggggtgctta tcttaattat taggaaaaac tggacttcca gaacaaaaag caacattaca
120gatgagtttt caatttacca gggatacata attttaatt tgtatacccc taacagcata
180actttgaaat atattttaaa aaattactgg aactacggaa tattcaaaat cacaaaggga
240cattttcaca catctcacag agggacattt tcacacatct ctctcaaaat tgatgggtca
300aatagacaat aaatcagtaa ggagttaaaa ggtttgaaga acacaattaa gaagcttgat
360ctaattgact tacacagagc an
382

<210> 2824<211> 405<212> DNA<213> Homo sapien

cggtgtgtc ggcgcagtc tgtagtcca gctacttggg aagctgaggc aggagaatct
60cttgaaaaccg ggaagcggag gttgcagtga gctgatatca caccactgca ctccagcctg
120ggaggttgca gtgagctgag atcgtgcccc tgactccag cctgggcgac agagtggagc
180ttcgtctcaa aaaaaaaat ttaaaaaaag agcagcttct actgcagcct cctcttacct
240tattgccttc tcttgcctg gtctccactc aaagcatgca gccttctggg tgattttgca
300gatgggtcaa aacagcatac tcaatgttgc ctcccaata aaaaaacctc ccgaccattg
360tacttcttct tttgtggtag gtactgcaac ttgcagcaac ttgtt
405

<210> 2825<211> 418<212> DNA<213> Homo sapien

cttgttctnn nngcccatcc catcgattcg aattcggcac gagtgggaagc ctggcaggcc
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120ttcagctgga gctggatgaa caaaagcttc catgacaggg ttggagttca ggatcctctg
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240atagaacttc attaggcagc gagacgtcca tgtctttcca gcaccactct ctccactgac
300aacaatagac tggttgactg gttcaatcag gctcttgaca ttctgttagg tctgttcacc
360cacagtgaac acatggggct tcagtttctg gggctgaggc gcagcatggt actctctc
418

<210> 2826<211> 404<212> DNA<213> Homo sapien

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60gaggattttt tgaagatgca tctcagtagc atgaaaacct ctggtccag gacatgaacc
120tttcccgccc tcttctgaag gccattacag ccatgggctt caagcagccc accccgatcc
180agaaggcgtg catacctgtg ggtctattgg ggaaggacat ctgtgcctgt gcagccactg
240ggacaggtaa aactgccgcc tttgccctgc ctgttttgga gcgtctgatt tataaaccac
300gccaggctcc agtcaccgc gtgctggtgc tagtgccac ccgagagctg ggcatccagg
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404

<210> 2827<211> 357<212> DNA<213> Homo sapien

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60gggagccctt atgaagttag aaaagctact ctgaaccatg cttctttcta caagtttagg
120aaaacatttc acgtaaaaat gaacaacaga ttgtggtgat ggttacacaa ctctgaatat
180aaaacactga actgttggt caccacctgta atcccagcac ttggggaggc ggatcacaa
240gtcaggagtt tgagaccagc ctgggtcaaga tgggtgaaacc ccgtctctac taacaatata
300aaaaaaaaaag aaaaatttagc cgggcattggt ggtacgtgcc tgtagtccca gctactg
357

<210> 2828<211> 361<212> DNA<213> Homo sapien

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120agtgcagctc catctcttaa aaaaaaaaaa gtttattctt tcctgtgggg taagcagagc
180tgaagtttta aaaagacagg gggggatctt cattagggaa ctgggcaatg ggcttctcat
240gttaacaatg ttgacaacaa cagccaaaag gaaaaatgta aaaacaaaa aaaaagctgg
300cgcaggggct caccctgta gactggcact ttggatggct gaggcgggga ttgcttgagg
360c

361

<210> 2829<211> 375<212> DNA<213> Homo sapien

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120attaggatta aattatgggt tgacttttcc tagcagcgtg atcatgggca agtggctttt
180tttttttttt gaaaaaaagt ttattttttt tcccaggtg gaagggcagg ggcacaattt
240gggttacttg aaactccggc ccccgggcca aggggatttt cgggtggaat tttttaaga
300agtgggaacc ccccccccc cgggttaatt ttggattttt aggaaccaac aagttttccc
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375

<210> 2830<211> 378<212> DNA<213> Homo sapien

cgttgctgct ggattccagg tgcattgctac cagccccagc taattttgta ttttttagtag
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120ccacttcagc ctcccaaagt cctgggatta taggcattgag ccagtatgcc cagctgttac
190ttttttttta gccattggga aaagtgtttt aagttacatc ttgtttgctg atataataac
240tacaagtttt ctgttatgac tttgaattca caatcttctt aaacttaatt aattctaatt
300tatctatttc tatctacata atatctgtga atgagtttct ttttagaatc ttacagcttt
360tttgttctta caatattg

378

<210> 2831<211> 371<212> DNA<213> Homo sapien

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60cttgcatag tacattaaat ttggatgttt tggaagcaaa ttcatacgat cgtgagtgat
120ttctccaaag aaaaaagcct tgtccagcct gaccaacatg gtgaaacccc atctctacta
180aaaatacaaa aattaactgg gtgcagtggt ggcgcatgct gtagtcccag ctacttggga
240ggctgaggca ggagaattgc ttgaaccctg ggaggcagag gttgcagtga gtcgagatcg
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371

<210> 2832<211> 375<212> DNA<213> Homo sapien

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60cagggtggcaa ggaatgactac agggagtcac ctaagcaaac tgaaagcagg attcagaac
120atagttaaat catagctcgg tttactaaac tataaaacat tctgtccttt tacttgaag
180aactagctga atataaatca caaacttgaa aaaactactt ggaaaccact agtttagttt
240ttattttaaat tttaaaaaat ggtaataaag cacataactt atgtgacatg gaagcaaatt
300taaacattt atgagtaatt atatttttaa agtattagat accttagctc aacaatagca
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375

<210> 2833<211> 348<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtt ctaagatttc caaaatacta taaaatattc

60tcatgttctc aaaggcagaa ccagcctttt aaaatttaatt ttaatcagca ctttaaaaaat
120tattctatga attgatgggt gtagactaga tagttatccc taactatttt ttgtctcctc
180ataacagaat taaatctttt tagctattgc tatgtgtctt gcctgtgcat ctaatggaaa
240ttgtatacat ccttgctca ctgatttagg gcttgataat atgacataat ttgaccaatg
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348

<210> 2834<211> 348<212> DNA<213> Homo sapien

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60agtaacaagg gaaatcaaca cggaattgta ggcctaaacc actggcttat aaccagatta
120tggggcccctt taagaatctg ataagaagtt cgcattttct ttatccccag aatagacata
180cataaaaaata atgcatacta agtatctggc attcatagac tttccctaaa tacattaatc
240acacattatc agtcctgct gttaaagata ctacaggctc ttgaaaaatt ccctcttagt
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348

<210> 2835<211> 379<212> DNA<213> Homo sapien

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60tggctgagac tgccttttga ctgatgactt atgttttagct ctgatgtgct gacagggaca
120aaatgctgga gaaggaataa aaaaggaata atccaacaag gatcaagaga acaggaaagg
180agacaatagc taatgaaagg tttccaacaa tttgggggag ttgaaaaaaa agagtcgagg
240taattgactt aacagagaaa gctacaacct cactgattac agaggggaac acggaaagga
300ggcaagccta tttaccccca cagaatcctg gaaaaattca gcaattggaa gtacaaagtg
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379

<210> 2836<211> 374<212> DNA<213> Homo sapien

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120ctctgccttc cactctccct atcttatctc cctttccct gagcaaaata ttgtcacaat
180caacctgtag cagatgtttc ctgtgctttt caaacatacc aaaagtctgc tcatctttaa
240gtcaattcca ccacaacaaa gaggttgatt acaaagatcg tcaaagagct cacatgaaaa
300tagtgtttct ctgtccattt aaaaattact cagctgatgc acttacaagc ttctaattca
360caataatgac gatt

374

<210> 2837<211> 372<212> DNA<213> Homo sapien

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120tactttaaat gagacatata tcatgttcat tgaacagatg actcatcaag ataccaatta
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240acaaaatacc tgagactggg taattcataa aaaacaaatg tattttggta ggtttggtgg
300tctggttagg gctatatgct cccgagggga gaaacaccat gtccgcatgt ggcagaaggc
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372

<210> 2838<211> 378<212> DNA<213> Homo sapien

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60caaaaagttg gttaaacatt ctcttagaca ttgcctgtag tagttaattt ggggaacaga
120tatctttttt gcatttgagt gtaagaaaag gaaaaagaca gtttgatat ggaagttctg
180ttgtgttctc tctctcctc ctctcaaaag atgagtcatt taaagttgat tcaggtgcca
240gacaatgaaa aagaggggtg caatgtctgc catatgaatt gaaatgtttt gatgagaggg
300catctgcagg agaattatct gggggtggtc tatctttctt tctctggctc ttttctctc
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378

<210> 2839<211> 344<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggca ggatatcgga agccctgatt agattctatc
60ctaagagcaa cagaagatca ctgacagtgt ttaaataga tagactagtt tattagattt
120gcagtttaga agttcccttt ttttgtaatt attggacagt gtagagaccg gatgggtgaga
180gatgagtttag gaagttgtga cagctctcta tacctaccgc taatgtagag gattatttat
240tttcatttca ttaccattcg tgtaagggtg gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt

300gtgtatatct agtttctcta tagaacatat atgggagaga gaga

344

<210> 2840<211> 347<212> DNA<213> Homo sapien

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60aggctgaggg aggagaatgg catgaacccg ggaggcagag cttgcagtgc gctgaggtcg
120cgccactgca ctccagcctg ggtgacagag caagactctg tctcataaaa aaaaaaaaaa
180aaaaacattg ccttgggggg ccggccgcgg ggttacaatg tccaacccgg aaacctttgg
240gggtgctggg gtgctgttcc ccaagccaag gttttctccc cccccggccc cccccgggga
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347

<210> 2841<211> 347<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggcgc attttggtgc tggctaaagt ttctggcagt
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120atacctcaag aacctggcct atgcctatag ctgacctct gtccagtact tccaaatgac
180tagaatttct ggatcaaaaa caaagcagg cagatcacta agatttggtc agacacaaga
240aaataatgga tccaagaaag caagtttct atggttaaga ggttaagtaa caattgtaac
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347

<210> 2842<211> 346<212> DNA<213> Homo sapien

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60gaatctgatg gttactttaa ggactaagac aaatattgtc agttcaggtc cttgggacct
120atacctcaag aacctggcct atgcctatag ctgacctct gtccagtact tccaaatgac
180tagaatttct ggatcaaaaa caaagcagg cagatcacta agatttggtc agacacaaga
240aaataatgga tccaagaaag caagtttct atggttaaga ggttaagtaa caattgtaac
300aggaagagaa aaagacatgt aatctacaca aggagggtag gggcag

346

<210> 2843<211> 346<212> DNA<213> Homo sapien

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60catatgcact aacacatgtt tgaggtagag aattgaagct gatttttctg ctaaagatga
120atttctatta acaatcccat ttttatattg tattattaaa acaaaaatac ctctctttgc
180tagagagtat atgtatgact tatattatta actatggtt gcatttaaca catggccgat
240tgccctgtaa tctgcttatt ttaacaacat acggtgctgg gcacagtgg tcacgcctgt
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346

<210> 2844<211> 373<212> DNA<213> Homo sapien

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120agtttaatta gataaggga aggagaaatc cttaaattga tggattcttt tatactgtga
180atatatttcc atcagtgtg gtaagatatc aaatgactat cagttgatcc cagtcacag
240tgacttattt gcatatttaa gccctattca caagagacca taatcatttt aatcttatat
300tttccctcag gaaatttagg gactctgaag cccctatttt attctcttgg agtaaactgt
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373

<210> 2845<211> 345<212> DNA<213> Homo sapien

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60tatgagaagc ttttgtgaat taccttgac tttctgacct gcctgggac cttgccagt
120ttaagtcact gaaagtgtgt actacaaaag acttccatcc actattagct gatattcacag
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240agttattgag tctgatccct tcgggcgagg cctcattccc acttccatgg ctggtttggg
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345

<210> 2846<211> 374<212> DNA<213> Homo sapien

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120tgtaaacatt aaaaacggat ttctgtgtgt catcctaaag attttgagat tcattgtatta
180atttgttttc agaaatttaa gggattacaa ttgctagtaa aattgaactt cgttaataata

240ttttctctgg tattagattc agaaagccag cgattagaag agatgctaac tgtgtttgga
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374

<210> 2847<211> 351<212> DNA<213> Homo sapien

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120aaattctgtc actctttttg ataggaaatt accctaacag cctcattttt tccatcttag
180ccttcacaac aaataataaa taaagaagga gtgatatagt catactgtat tatactact
240tactatactt attcgtagtg atactgtatg agagtactgg tcaggggatt gggatttgaa
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351

<210> 2848<211> 345<212> DNA<213> Homo sapien

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120taagcccata gattgtgtgt gtgtgtgtgt gtgtgtgtgc atgcgcgcgc gtgcgcactg
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240tcagaatcg taaagggata tgctcagctt cacagccagc cgtgggatct cagtcccaac
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345

<210> 2849<211> 368<212> DNA<213> Homo sapien

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120gggtgaggaa tgggtcttgt gaaattctga gcaaaaacaa aggcaaaact tatctccgaa
180agggacgttt gggtcacatt tctctctgtg gggcggaact caaagtcttc aaaatgagaa
240ggcagaaatg aaaacatttc aacttttttt ttcttttctt cccggggcgg gtgtcttgaa
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368

<210> 2850<211> 347<212> DNA<213> Homo sapien

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120ctatccatga aaaccaacca caaatccatc tgtactacct acccgtcac tctcttaaaa
180gcaaacacaaa caccacacac acaacactat actgtcttaa aaagtctttg caaatgcata
240cctctgtgga ttgaaagccc tctcccagtc ttcttatctc aaaggccaaa ctcaaaatct
300acttcagtga gactttcttc cattctaaag caagggtctc cccaacc

347

<210> 2851<211> 343<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggggg aagctcaggg ttggactttt gatgcctcgc
60aaagctgtga tacagatact tacacatcta aaacagaagc tgatgacaag aacgatgaaa
120aatgcatgaa agttgactta gtatcttttc catcttcacc tattatgggt gataatgata
180gctctgttac aagtataag gatcatagt aaatacttga tgggaattagt aacataaaac
240tgaattcaga ggaagtaaca cagagccaat tagattcctg tacaagtcac gatggtcatc
300aacagctaag tgaagttagt agcacaagag agtgccctgc ttn

343

<210> 2852<211> 374<212> DNA<213> Homo sapien

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60cagggagagc gcggatgctg gcgcaggaag gctctgagga aggctgcaca cacaggatgg
120ccctctccag cttcacgtcc tcaggggtac agatacagcc ggggctgggt gtcacagcaa
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240tgctaggtca gagccaaggg gatccgtggg aagcatgtga tggggcaggg cagagggtg
300gggcgagggg ggagttcagc acaggaggtg tgtcacagtt ggggcgtagt tgtaagtgt
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374

<210> 2853<211> 377<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggaa tcaggattca gactccataa aaaagcctga

60agaatcaaa caatgtaatg atgcacctgt ttctgttctt caggaagata ttgttggaag
120tcttaaatct acaccagaaa accatcctga gacacctaaa aaaaagtctg atcctgagct
180ttcaaagagt gaaatgaaac aaagtgaag tagattagca gaatctaaac caaatgaaaa
240ccgattggtg gagacaaaat caagtgaata taagttagaa actaaagttg agacccaaac
300agaagaactt aaacagaatg agagcagaac aactgaatgc aaacaaaacg agagcaccat
360agttgagcct aaacaaa

377

<210> 2854<211> 371<212> DNA<213> Homo sapien

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120gggggggggc cccaaatttt ggatttttaa aaaatttggg gccggggggg ggggcctaac
180ccctaaaacc ccaccttttt ggaaggcaag ggggggggaa aaactggggg ggggggttca
240aaaaccaccc gacccaacgg ggaiaaacc cgtttttat aaaaaaaaaa aattaaccg
300ggattggggg ggtggccctg aatccccact ttcccgggg gtgggggagg gaaaactgtt
360taacctgggg g

371

<210> 2855<211> 347<212> DNA<213> Homo sapien

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120ttctgcaatc tcaatctgtg tggggtaggc tggatatctg agggccttgg caattccttc
180ctggaatatg gggaggagag gagagaagag tcanggccca ggcttgggtc agcctatggt
240cttgacaggg ggagagcttt ccacagccag gcttaccatc aggggaacaa ctggagggtc
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347

<210> 2856<211> 329<212> DNA<213> Homo sapien

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120ctccctccct gtccacctt ctgcagtccg aggcactcgc ttggcctca ggacacacct
180gccttgctcc ctctgcaggc cataacatcc cttcctctg acctcttcta aaatctcctc
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329

<210> 2857<211> 325<212> DNA<213> Homo sapien

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120tagataacgt tcttgagaaa gacccagac caaaaagaga cacagatata acttctgaaa
180gtgactatgg aaacagaaaa gaatgcaata gaaaagtccc tcgaagatca aaaatccctt
240atgatgcca aaccattcaa actattaagc accacaataa aaactacaac tcttttgtaa
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325

<210> 2858<211> 380<212> DNA<213> Homo sapien

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120tgtctgatca attagtagtg gctgcctaga actgcactgg ccaatatgtg aaccattggc
180cacatgttgc tacttaaagt gagaaattca ttgcttcagt cacactagcc atattacaag
240tgccttatgc ccggacactg aacatttgca tcatcacaga aatttctatt ggccagcgct
300gacttagaac gtcattgttg gaagagaagt gaggcctgt ctaggaagca tgagagatca
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380

<210> 2859<211> 463<212> DNA<213> Homo sapien

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60agacaggata aacatctggg aagcacaggt atatgaggca cagaaacaca aggcactgtg
120gatgcctctt ctgtctggac agaaaactgg agtcaggaga cctctctgag tccccagaga
180cagaatcatc actactgtgt gtccttgga cttaaagtag taaaaaaaaa aaaaaccggg
240ccgaaagtgc acagcttgca ccttgaaaaa ggaccctcac aaaaacccaa ccatgctggt
300acctgatttg ggacttccaa acttccaaaa ctgtgagaaa aaaaatatgg ttgtggttta

360taagccaccc acactatggt attttattat accaccccaa ccaaacgggt agggtaaagg
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463

<210> 2860<211> 422<212> DNA<213> Homo sapien

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120gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagcgccc
180ctctctctct ttttttcgtg cgctcttgcg atagatatct tttttctct ctccgctggtg
240ttttctcaca cacacacaaa aaagcgctct cccctacac gccccccct ctctgtggag
300tgtagaatat gtgtgcgctg gctttcttct tctctctctg tgaggggggt ttccccccct
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420

422

<210> 2861<211> 380<212> DNA<213> Homo sapien

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60aattttcatc catcagatct ttcatctct catgattatg aaatcctaa ataaaaaac
120agaaagtgtt agctagtact caataaaata acatatcatg attacctctg aagttaaaga
180ataacctgca catccatgca ctaaaaaggt tactgtaagt ggatatccaa ctggagaaaa
240agttgaagca aaattttgaa ccttatagag cataaattcc aaaaagtcca gaaatttatt
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360aagagtttca gaattggaat

380

<210> 2862<211> 450<212> DNA<213> Homo sapien

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120tctgtgtact tctggcatct tttttggtag gatcatttgg caggggggag ggggtggaagg
180cttttggcac cattgaaacc agttctggcc catttgtttg aatagctaac atacacatca
240gctctatagc ctccatatac cacctgatag aaccctgtaa taatgctctt gaaagtgtaa
300cactcatgct tctaccaca agcaattaac ataaagctta tacgccagct gtacgacgcc
360cattgtttac ataactctc tacttttaat tcaaccatct tttgcacccc tcgattcgat
420cagctccacc tctagtctct acgtatcgtc

450

<210> 2863<211> 398<212> DNA<213> Homo sapien

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60aatggcttca agtttattga atgtctcaaa attatgtttt gagtaaggcc tttgccttca
120ctcaaatatt caaattattt tcatcataat ttaaatctcc aaatatatag tgttttattt
180tcagatataga tatatactgg aaacaggggc aagtattctt tatcaatatg atacttttag
240aaaaataattg ttttcatttt tgtgaaattt atttcagaca gtctcaaccg ccagtgaact
300acagaaacca atttactgga ttgtagctgg taaagccctt gattatgaac agatgctgct
360tctcatggct aatgtgaaat gggatgtaga aaaaaata

398

<210> 2864<211> 408<212> DNA<213> Homo sapien

ggcaccgagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga
60gagagagaga gagagagact ctctctctct tacatagcta gatatacaca tatacacaca
120cagacagaca cacctgggtt tgctctcccc cctctcttgg tgctcccaga gctacgcttt
180ttttgtgatg tctctcgcg tttctctctt tgtcgacac ctctactgcc ccccttctc
240ttttctctc tcgcccgcct tttttttttt tttcgacac actgcccggg gtgaaactcg
300ttcccccccc ccgctcttt ctttttttat gtcacgctcc ccgaggagg cgtggctgag
360aatggcttcc atggagtctc ccggtgaatg cttttctcg ccacaccg

408

<210> 2865<211> 399<212> DNA<213> Homo sapien

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120agaagggtca ggccacacag ggctggataa agggctctga cttcattctt ggtgtgatgg
180gaagcccttg gaggatttta agcaaaaatg tgccacgatt catgctggtg ggtctgtgga
240agatggattg ggataagggt gggagtaggc tgggaagggt atctacaaa ctccatcctg
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360ttatcggaga cagagccctg agggacctga ccccatggg

399

<210> 2866<211> 388<212> DNA<213> Homo sapien

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60caatgagaat ctgttaccga aactgatata aactccctca gaaagaaaga tactactccc
120taatcctgga agtggttaagt ggcaataatg atcaaatgtt gtaaagggga ttgttactac
180agctaataatg aaatgggagc ctggactaaa tctaaccctt ctacccttga tttcaattct
240aaaaggacac gtactacatg tgcagaaaga aaagacagtt ccaaatgata aattttagag
300ttgttttgcg aggatgcaag agaaattgga taagtggacc actcatacgt tgctgggtgag
360atatgaaata gtagagccac tgtggaan

388

<210> 2867<211> 409<212> DNA<213> Homo sapien

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120cgaagtgcg gtattgcagg tgtgagccac tgcgtccagt ctggcgcca agtttaagaa
180gagcatattg tcatggcctt acatcagtta tatgctcctg ggtaacaaac taccctaaaa
240tgaagcgact taaaacagta agtccttggg catcatcatg tgggagtagt gatgtgggca
300gggctcatct ctgttccact tgctggccac gctagcaagg gcaattaaca gttggcaggt
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409

<210> 2868<211> 413<212> DNA<213> Homo sapien

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60tttttgaaat aggaactccc ttttgcaaaa aagaaacctg ggtgtcagt aggtgaagt
120acttgcctta tgagcagaca gcatgccaaag aatggaatta ggctcaggat ccagcctggg
180ctcaccctgt gtggctcatt cccacccagg aaactgaaga taaaagattt gggaaaacac
240accaagaaaa aggggcagtt ttctttgccc aagcatttgg tgctagttag aggtgttca
300ctctctcctg ctctctctcg gagtagaaat aaaggctgtg acacaaggaa gccagtggg
360tgggagggag gcaccataat ccctccctat aaccacaga agactaacct gat

413

<210> 2869<211> 401<212> DNA<213> Homo sapien

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60tctgcccctg gtgtccctgg gtgtggcagt cgggaaggca ggctccggtc gggatggcag
120ggtcgggtgg cctgaagaag cccccacccc agcagggagg caggtatcca gttagcagga
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240agtgcгааagg ccctgatatg ggaccaggaa aaggagctgg ggctgggccc aggtggagga
300ataggcagcc tgcaagagtg ccagatgggc cccagtgggt tgtgtgtgca gaagtgcgct
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401

<210> 2870<211> 414<212> DNA<213> Homo sapien

ggcacgaggt ggtgctggcc cgggcccagc gggccttgcc ccctgagcgg ctgagccggg
60ggtctggggg cactctcag ctgcaccatg tggacgtgtg gccctcaac ctgctgcggc
120cccggggtgg gcccggtat gtggatgtct gcggcctctt cctgctgcag atggcaacca
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240ctcgggaggc gcctggggcg gccgaggggc ggctgcgggc actgctgagc caactgagga
300tccgggctga ggtgcangag gtggtgtggg gcgagggggc cggggctggg gaaccgagg
360cggagagga aggggacttt gtgaacagtg ggcggngaga cgcataggca gagt

414

<210> 2871<211> 398<212> DNA<213> Homo sapien

ggcacgaggg ggaacgcaca aaaaatgttt tctccaaaga agcattcggg tagcacaagt
60gatagaaacc aggaggagag acagtgcatt aagacttcat cactgtttaa aaacaacctt
120gacattccag aactccacag acctgtggtg aagcaggtgc aagaaaaagt gtttacttca
180gctgcttttc atgagctggg cctccacca catttaattt ccacaataaa tacgggtctta
240aaaatgtcta gtatgaccag tgttcagaag caaagtattc ctgtgttgcg ggaaggcaga
300gatgctctcg tgagatccca gacgggctca ggtaaaactc ttgcctattg catccctgtg
360gtccagtcct tccaagcaat ggagtcaaaa atacaggt

398

<210> 2872<211> 402<212> DNA<213> Homo sapien
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60agctggtaca cagcctcagg accgcagctg aatgcacatc tagaagggtg gctttcacia
120ggacaggcta caattagacc tgctagagcc attattgccc cccggagaat tatcatcctt
180gggccttctc atcatgtgcc cctctctcga tgtgcacttt acagtgtgga tatatatagg
240acacctctgt atgaccttcg tatcgaccta aagatttacg gagaactgtg gaagacagga
300atgtttgaac gcatgtctct gccacagat gaagatgaac acagtattga aatgcatttg
360ccttatacag ctaaaagccat ggaaagccat attgatgagt tt
402

<210> 2873<211> 391<212> DNA<213> Homo sapien
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120ggccgaggag tatctggaca tcgtgcggga gcacccctgc cccctgtcct acgtccgggg
180ccacctcttc aagctgtggc accacacgct gcaggtgcac caggagctgc gagaggagct
240ggccaagggtg aagaccttg agggcatcgc tgctgtgagc caggagctga agctgcgggtg
300tcaggaggag atatccaggc aggagggagc gaagcccacc ggcgacttgc ccttccactg
360gatctgccag ccctacatcc ggccggggcc c
391

<210> 2874<211> 382<212> DNA<213> Homo sapien
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60gtacacagcc tcaggaccgc agctgaatgc acagctagaa ggttggtttt cacaagtaca
120gtctacaaaa agacctgcta gagccattat tgcccccccg agaattttca tccttggggc
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240tctgtatgac cttcgtattg accaaaagat ttacggagaa ctgtggaaga caggaaatgtt
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382

<210> 2875<211> 386<212> DNA<213> Homo sapien
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120cctggcagac atcgtggtcc ccagaggagc cggcaacacg gtggccatcg acctgattgt
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386

<210> 2876<211> 367<212> DNA<213> Homo sapien
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120attgacataa ttttaactta gtgcttctca agggagattg ggggtggagtc aggatgtttg
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300cagtacaagt ttaacttaaa ctaaatctta atgacagtga aagttaattc ccagttatta
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367

<210> 2877<211> 357<212> DNA<213> Homo sapien
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60agatatatga gtgaagaaat tatccagaat gtatcacaga gaaggaaatg ggcaaaaaga
120aagagggtaa gatatatatt tataaacaca cacatacaca tattacataa aatgagaaag
180tgacatgtct ttcattagtt ttccaagagc agaagggaaa aataatggga aaggataga
240caatatttga tgagataata gttgagaatg tttcagagct gataaaaagc accatgacaa
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357

<210> 2878<211> 376<212> DNA<213> Homo sapien
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120tggagacctt attaaaaatgc agcttctgat tcagtgaagt ggggtggggc ctgagagtct
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240ggaatgatat ggagccgtcc attattatcc catctgacaa atgagtcaca gagcccttag
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376

<210> 2879<211> 367<212> DNA<213> Homo sapien

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120aacttcatgt tctgagcagg atagtgaact cctattgtac ttgacaggat gaagtatctg
180caagatgtgc cttcaggcag ttaaataact tgacctgctg ttagaaatct tttttatttt
240ttattttatt ttattttggg ttatttattt atttttttga gacggagcct cactttgttt
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367

<210> 2880<211> 364<212> DNA<213> Homo sapien

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120agttgggttaa cagttagttg attagttggc actcattttg tcacatgatt caggatgact
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240tttccctacc tctcgctcat accttcccta tccaagatca gaacttcaga cgtcccat
300gggaatatga gggctgggta gaaggagag gaactagtta caggattttc tgaatttcag
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364

<210> 2881<211> 369<212> DNA<213> Homo sapien

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120caggcaaaat acatggatgt tggatgaaga agaatcccat ggagaaaaaa ataaaacaaa
180gaaggagagt tgctatgaca gtgaggccaa gataattgca ggaaagtagc cctgatacca
240aggagacaat aaaccactac ttcaggactt ctagtatttt aagacaaata aactggtttt
300ggttaagtct ctgttaattt gtttttcttt acttacagct gaatgaattc ctgagaccgt
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369

<210> 2882<211> 334<212> DNA<213> Homo sapien

tacgggtgcg agaagacgac agaaggggtcc aggtacaac cctgcacata tatccagaa
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120atcaaaagac cttttctggt agagtctaac aatgttcaaa tttagcttct tggaaataac
180tttttaaatag ctaagagcgt caacagaaaa ctgtggacta caggaaaaga actgcttcac
240atttcccgaa tcttctcaaa cttgggtatct gcatatcaat gactttagat tttattttta
300tgttgctgtt acttttgcta aggaagtatt atgg

334

<210> 2883<211> 341<212> DNA<213> Homo sapien

tacgggtgcg agaagacgac agaagggaga cgaaatagta ctcatgagaa aacctacaag
60gaaatagaca atagaatgag gcagaggttg cagtgaagt agatcacaca ttgcactcca
120gcctgggtaa gaagatctca aaaaaagaaa gtgtcatcat ctactagatt ggaaatatca
180gatattcttg agtctttctt ctccctcata tacaggtagt catccagttc ttcaaatct
240cgttgaaatg tggcttcccc tccagccagt ctactgccta tcagtactta cctgtctgtg
300cattagcccc caccgacctc tatcccacca gcactgcct g

341

<210> 2884<211> 352<212> DNA<213> Homo sapien

tactactgct gcgcgaagac aacagaaggg acacagaata agttctatag atctaagtga
60cagcatggag actacagtta ataatactgt attgtatatt taaaatttgc aaagagtaga
120tcttaagtgc tctcaccacc aaagaaaggt aactgtgaaa agagatgtaa actctatctg
180gactagagta acctcagttc actaaggtca ttatgaatat gtatatcaga acatcatgct
240atacacctca gatacacaca atttcaatta aaaaatttta aaaagaagaa atcagtcgtg
300gtcacattcc agtgatcttt gtttcataca ttgctttggc tgaaggaagg gg

352

<210> 2885<211> 344<212> DNA<213> Homo sapien

tctacggctg cgagaagacg acagaagggg ggaggatttt tgatttttct actttttgtt
60gaaaaaagga atttgtactc tgtgcattgg atggacttgt ttggtacttg ggattttcct
120ctcttaaccg tcaacatcag tgttggaat ttgctaaact gattcacttt tagcagcaga
180ctttgaactg cagtcctgcc aacgttggac actgaggacg cccgacagag cttgtgcacc
240taagctgcag accaagcctt tgcccagaat ttaaggattc caatggacga cctatttgca
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344

<210> 2886<211> 335<212> DNA<213> Homo sapien

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60ctaagcccag ggtcctttt tcaatcctca tctcacttga cctggttggt ccatttaacc
120agatctcttc cttgaaacgt ttttattttt tttttacttt gcttccaggg ttttgttaca
180tggttctggt acatgtttaa cttctttctg ttggagtgcc ccattggtca gtccttccac
240ttctcttttc tgtccacact ctgggtccaa tttcattcag attcattcat gatgtaatat
300accacctata agctgatttc gacacttaag atcag

335

<210> 2887<211> 334<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtt ccattcctgg cttgatgggt tccttgagac
60aacagctggc attcacagta caggtattta gtactggagg gagcacagca gaacttatct
120ttaaataatt gcattttttt ttttgttttg acctgtatgt tggctcccaa aaggaagggg
180tcaaggggtt tgcttttatt tctcctaatt caaacatac cagggttttc aacattctat
240caaaacttt taaaggcaaa tgttaaaatc actccatctc actcaaagga tagcatttag
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334

<210> 2888<211> 338<212> DNA<213> Homo sapien

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60atctgcagtt tgcaagtgcg gcgaatcttg taggtagatt taccttgagt ttttttgaaa
120cggtagaatt aatatattaa aacatatggt ttttagttaa aataggatgt taaaggaata
180gagcgcacga acaaaaaaac tttccacttg aaccatgtt gtttcatctg acagtgggta
240tggtgtccct ggcaggatag ggcttccacc tcctgctggt gccggttagga caggggaagag
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338

<210> 2889<211> 347<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggga aaaccaacgt gtccggtgac agacccacg
60gccgactgag cctctaaagc gacttcagct ctgccccacc aacaccaccg cgcgcccg
120aacagccgct ccgggaagaa acctgagggg actgcggggg gcacgagggg cagctgaggg
180aagggaggac gcgagagaaa cagcgcgagc acgtgaggg ccgggggttg ccaggagagg
240ggcccgcgga cccgcatagc ggaggaaggt ccgggagaaa aggggcggga cggaggagaa
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347

<210> 2890<211> 378<212> DNA<213> Homo sapien

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120tcagggtctt gcgtgctggc cagctggctc accgccttcg tctcaccac gtccttctc
180ccagtgggtga gcaccttcg cctccaggtg ctttcttct tcttcgccc catctgcttg
240gtgagccttg tttcacagg ctgctgtgtg cccgagacca agggacggtc cctggagcag
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378

<210> 2891<211> 432<212> DNA<213> Homo sapien

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120tgatattaag tgaaaaaaaa acaggttgct ggctgggcat ggtggcttat gcctataatc
180ctaacacttt gggaggccaa ggtaggagga tcgcttgagc ctaggagttt gaggctatcc
240tgggtaacaa agtgagaccc atctctacaa aaaaaatcaa gaaattatct ggatgtggtg

300gcacatggtc ccagctacac tggaggctga ggcgggagaa tcacttgagc ccaggagggtg
360gagtcctccag tgattcatgt ttgtgttatt gcactccagc ctgagcaaca cagttagacc
420ctgtcttaaa aa

432

<210> 2892<211> 434<212> DNA<213> Homo sapien

annncaattc ggcacgagga gagaactagt ctcgagagca gnnnnnttttt tttttttttt
60tttttttttac aaaatgcccc ctggggccca agggggcaaaa atttaccttt gcttaggggt
120ttttttttttt taaaaaacca accggtttta ataccctcc tttaccctt ggaaccattg
180gggggaaaaa aacccttttg gaaaaacca tttttcaaag gaaggtttcc ccgggggggt
240tttaataaaa atattgttg gaaaaaac aaaaagccct ttgatttaa aaagggataa
300aggaggggc cctgaaaaac ccccccttt tttattttt tttggggggg ataaaccta
360aaaagaaaaa gggtttttcg cccttaaaaa agaaaaattt gcccccaaa aataaccccc
420cttaaaaaaa tttt

434

<210> 2893<211> 425<212> DNA<213> Homo sapien

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60tctctctgcc actgttctca cctcatccta aaacctgggc aggagggtt gaaacctatc
120agaactaaag gtaatatct catctccctc aggtttttt cattaaaaa aaaaatgggt
180atattagtta aattaaaata ctgttgtaa aattattgtc aaagggaag ggaatacat
240ctagggggaaa catcatgtct tttagccct ttatgtcact gaatgactta aggtcgcaca
300aatgatattc ttggaaagtt taatcttgag gtttcaaatt cttttttttt aatggctccc
360atgtttctca tttgtgatt gattcattag ttgtctttaa gaagatttcg cagttggaaa
420taatg

425

<210> 2894<211> 403<212> DNA<213> Homo sapien

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120caactatccc agcctcagcc ccaactgcct cagtccact tgccccgcc tcagttcag
180ccccagcccc agccccctacc ccagtctcag ccccaaattc tgccccacct gccccagccc
240agactcaggc acagaccac aaaccagtcc agaattcact acagactaca tctcagctct
300caaaacaacc accaccatca attaggctgc cttcagctca aacacctaat ggcacagatt
360atgtagcctc aggaaaatcc atccagaccc cacagtcaca tgg

403

<210> 2895<211> 387<212> DNA<213> Homo sapien

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60cgctgggcct cagccccagg aggaagacag ccaggaggaa gaagaggagg atgaggaggc
120tgctcaagg tactatgttc ccagctacga ggaagtgatg aacacaaact actcagaagc
180aaggggagag gagcagaacc cgagggttag catctctctc ccgtcctatg agtcaactgac
240ggggctcgac gagaccaccc ccacatccac cagggtgac gtggaggcca gccctgggaa
300ccccctgac aggcagaact ctaagttggc caaacgactg aaaccactga aagttcgaag
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387

<210> 2896<211> 405<212> DNA<213> Homo sapien

cgttgctgtc gctcgtaaat gtcataaaat tttttaacat tttgcatcag gactcaataa
60aagccccagca tcataattga ctgaaatgtc tttttaactt cttttcatct ataagttctc
120cttctatacc ttttattatc attataatta ttattactag gtcattcatc ctgtagattt
180tccacagtca ggattttcct gattgtatca ccacggttgt aggattctag aggttgaac
240atattaacat tcaatagttg agggagatgc aaaaccactc tctaggtggg gacgttattc
300catcaggaag cacataatgt ccaattggct atttagtggg attagcagct acttatacat
360aatagatcca gtaaatcatg agagactggc tngtatggg agctn

405

<210> 2897<211> 419<212> DNA<213> Homo sapien

ggcacgaggc aataatcaac agttctaagc ctaataaaga gagctcttaa tcagctcagt
60ggtggttaa accagctatc ttttaaagaa gagaaaaaac aaaacacagc aatgccctgt
120ctcttcagaa aattgtttta aaaagttagc caggcatagt tagtggcca cgcctgagt
180ccgagctgtt tgggaggttg aggtgggaag attggttgag cccaagattt tgaggctgca

240gtaagccata attgtaccac tgcactccag cctgagcgac agagaacaag accctgtctc
300ataaaataag tgggggaagg ggtgcaaaat tacactgtga gaagccaaga agtttcaaag
360ttctatttat ttttctaagt cattcttaat cattatttgg tgtttcagtg tttgaattt
419

<210> 2898<211> 387<212> DNA<213> Homo sapien

tctacggctg cgagaagacg acagaagggg aaaaatctct ggtcatctcc gagaattaac
60ttgcaactgt tttctatagt gctgtcgtct tgggcaatgg gcaattacat gactttgtgt
120ttgcttctt tgcagtcttt ttttttccc cccatttttt cctaatagga aaaaaaaaaa
180aaaagggccc ccctggtggg gcctatttct ggtggcggga aactttgaag tcccaaaaat
240ttggaggggg ggttttttta cccttggggg cggggggggc cggtttctaa tttttaattt
300ttttaaaaat ccgggctaac ctccggggga aaaaaactgg aaaccgcttt tattaacct
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387

<210> 2899<211> 411<212> DNA<213> Homo sapien

cgttgctgtc ggccacgaac acagccttgg gcccttgggtg atgcgcgccc ctcttgagtc
60ggtcagatgc caaacgcaaa aaaaagcctt ctctctaaa gacacggaaa tgcaccgagt
120ccggctctga ctcaccccca aatccttacg gtccccaac tggcagcca aaatcgaaaa
180ctactctcgt ctacgcgccc ccgctgttga ttacctgcca tccgcacgg gcgcctgcgc
240cccgcccggt gtcgcccact tcggacggca tcccgagact acccttctca aggcctgatg
300accagtccga gctgccatga tagactctcc gaagccggtc gtgacctccc ggaccagccc
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411

<210> 2900<211> 407<212> DNA<213> Homo sapien

ggcagcagaa ggccgtgggg ctggagcatg tgggtgcctg ctggggagcc tgggtcaggg
60acagggtcat ggagtgtagg ggactggacc acccagggca tgcgagtggc tgagccaggt
120tgccggcaga ggggtggccag gggcccatgg gagcatttgc aggtgagctc cctggggagg
180gttactgtgg gcgtggacga ggctgcctgg gcgtgtggct cagggccggg cctggtgagg
240tggtgtgtgc aggggtggctg atgacagaca ggtcttgggg aggaggaccc gggactcggg
300atgagcctgc gtctggctgg gtggtgcctg ctcttgttt tgtggtggga gactgaaggg
360gagctgaggg tttggcggca acgggccttg tccagtgggg cattttt

407

<210> 2901<211> 401<212> DNA<213> Homo sapien

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60aagggcccga agtgggagaa gagccatgcc gaaattgcag aacaggccaa gcatgaggcc
120gagatcgaga ctcgatttgc tgagctgcgg aaggagggtt tctgggtcact gaagaggctg
180cctaaggtgc cagagccccc tcgccccaaa ggtcactggg actatttgtg cgaagagatg
240cagtggctct ctgctgactt tgctcaggag cgccgttggga aacggggtgt ggcccgaag
300gtggtgcgca tggatgaccc gcaccacgag gagcagcggc agaaagagga acggggcccg
360agggaggagc aggccaagct gcgtcgaatt gcttcacca t

401

<210> 2902<211> 375<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggcaga catacgggca cgcaccacca tgcccagcta
60attttttaaat ttttagtaga tctgcggtct cactatgttg cccaggctgg tcacaaactc
120ctggcctcaa gtgattctcc ttcttggcc tcccaaggca ctgggattcc aggcagagc
180caccatgcgc agtctcattt ctgttttctc tagaacatgt tttcatcaca ctgactttt
240tgagaagtcc aggccaat taaatttcat tttgtcttt tatcagtggga aaagtagcat
300atttatgttg cagcacaag atgaatcana taggaagaan atgtaaaaca catttggggc
360cgggcacagt ggctn

375

<210> 2903<211> 350<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggat ctgtcttttg aaacacataa acatgtacat
60acataaacat acaaattgct ttcaacggtt tatggaatat cttatagcaa attaaagatg
120agtatgtttg tcattcaatt atgaaagatg ttgatataaa taaatttatt catatatttc
180aaaaagtatg tagggcttcc agtcaaggta aagaacaga gaccacattt actgtcttcc
240ctataataga aaaaaccag aaaatttatg aaatgactgt ttttttagac attggacaac
300aaagaacagt gacctctgag acacaggata caagatgagc cctaaaagtg

350

<210> 2904<211> 369<212> DNA<213> Homo sapien

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60atttttaaat ttttagtaga tctgcggtct cactatgttg cccaggctgg tcacaaactc
120ctggcctcaa gtgattctcc ttccttggcc tccaaggca ctgggattcc aggcattgagc
180caccatgcgc agtctcattt ctgttttata tagaacatgt tttcatcaca ctgacttttt
240tgagaagtcc aggccaattt taaatttcat tttgtctttt tatcagtgga aaagtagcat
300atttatgttg caccgacaaag atgaatcaaa taggaagaaa atgtaaaaca catttggggc
360cgggcacag

369

<210> 2905<211> 372<212> DNA<213> Homo sapien

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120aaactcttgt gtgatatggt tttatttttg tttttttgc tttatgtaa acgtcaatgg
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240atttaagtac tttgaatata catgaataaa tttagttgac cattaacagg agtgggtgac
300aacatttctt aacctactgt gttattttta tctattttga gagatggggt cctgctctgg
360tgcccacgct gg

372

<210> 2906<211> 363<212> DNA<213> Homo sapien

actacggctg cgagaagacg acagaaggga ttctcaattg caaatgggtg aatatccaac
60tccagatggc ttccttaagc aacaaaagga gtttcttagt ttgagcagag gttgatccag
120tgagtcaata atgtcaccaa gaaatgtgtg tgtgtgcgtg tgtgtgtgtg tgtgtgtgta
180tgtgtgttct catgtgtctt ttgtgccatc tatatcagtt tcaccctatt gttggagagt
240gactcatgct cacatgatgg gtggcaacaa ttacagagnt aatgtttttc tcataacat
300ttaaaatttg acaaagagac aaagagatat ctttgtctta tctcagcctt ttaattcgca
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363

<210> 2907<211> 375<212> DNA<213> Homo sapien

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120ggctgggggt atgctgtttt atataagggtg gatcaaggaa gggctctctg ataagagaat
180gtttaagcag agatggaatg aagtgaaggc cagaatcttg ctcatatctg gggaaagcat
240ctctgggcac aggaagagcc agtggttaagg ccctgagcca ggaacatgct tggctcttgg
300aggaacacca catctgcttg tgactgaagt ccagtgaag taggaaagag gagatgggga
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375

<210> 2908<211> 374<212> DNA<213> Homo sapien

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60ttattttgta aattgcccag cctgttatgt ctttatcagc agcttaagaa tggattaata
120caccaccacaa agaccaatca gaggcattcat ttctcccaa acttaaagtc ttaactgctt
180ccccgagttg ctgattatat aattattgaa aaataaaata taaagatgca gcaatacatt
240tgcaatattt atatttctat tatcataatt cccagagtgg ttttttagac ctatctctaa
300gtatatatag attcaatacc aattcaatga gttctctaac ccagagatct ttgatttata
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374

<210> 2909<211> 352<212> DNA<213> Homo sapien

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180actcctgatt tctactggga cagagaaaac ctggaaggac tttacgataa aacgtgtcaa
240ttccttagca ttggccgaag agttaaggct atgaatgaaa aacttcagca ctgcatggaa
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352

<210> 2910<211> 340<212> DNA<213> Homo sapien

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120ctttttctgc gtcttttgag atgagtatca ggtttttttt ttttctttt atcatcggag
180gaggaactta aggttcccat ttgtattaag ggaaaactaa gccctctgt gatttctgaa
240ccaagctatt cctaggcctg agttttattt tgttgacca aaaataaatt aaaaggccaa
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340

<210> 2911<211> 339<212> DNA<213> Homo sapien

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120gttgattgag tgctctctat gtcctgggcc ctgttctaag aactttgatg catccttatt
180tagtgcttaa aataaaccta agagggctaa gtactattat gatttccatt ttacacgaaa
240ggaaactgat ctgccaggtc acatacctag taagggattg ttctgggctg aagaaaaagg
300atgcatggag gggagtatct tgcccaaggt cacgttatg

339

<210> 2912<211> 334<212> DNA<213> Homo sapien

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60tattcaaagt tgagcattcc cgtttatgaa ttttatccag atactctaag ttgtcaatgt
120gaaccctggg cagtaatctt cagcgaggac agtattattg cttttcatgt aaaacctcaa
180ttattaatag ttttaaatga caatttttct ttagtatatc taaaaatatt ttgttcaaat
240ataatcaagt ggaaaatatt ggacagaaat gagtcatcca caaaaagtat cattgaaact
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334

<210> 2913<211> 344<212> DNA<213> Homo sapien

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60gaaaagatcc aactattaga acttcagctt gcaactcagc atatctgcca ccaaaaatgt
120aaagaggaaa aatgcactta tgctgataaa tatacccaaa caccctggag acgaattcct
180ggtgggttatt ctgctccctc cttctctcct tggcagggtc ccttccaggg gatcccacgg
240actgttccac cgcaccgcag acagacctca agtactacag ccttccagca gccttcccag
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344

<210> 2914<211> 337<212> DNA<213> Homo sapien

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60gatcaaggca ttttgatgt actgctaatt gaatatggca ctgttttacg gtttatgtgg
120cttctgttct tgccacagtt gtgacacagt ggtaattgat gttttctctg gtgccacact
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240ttttaaatct acttttcttc cttatttgtg ctacagaggt tgatggcgta aattttccta
300cttgaagaa attactttat cagttaattt cagggtt

337

<210> 2915<211> 342<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggggc ttccgagcc cgcttgacc tcggcgatcc
60ccgactccct tctttatggc gtcgctcctg tgctgtgggc cgaagctggc cgcctgcggc
120atcgctctca gcgcctgggg agtgatcatg ttgtaatcca ccacccgcca cttcaagaag
180aaatgatatg aagaagtgcc ggttctccct cccctcttcc gcaactgtccc gtgatgatga
240cgctccagga gaggacgata atctgggttc ctgggagaga tggttgggtc actattccca
300cccttgctc gaccacttgt ctcaatgtca ccacctcacg cc

342

<210> 2916<211> 390<212> DNA<213> Homo sapien

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60ccagagattt agtcaaata gatactggga gtttcagtga gaatgtttt aaatgagatt
120gacattggaa ttggtagact ggggaaagca gatggccctc cctaataatgg ggggtggggg
180gtgggtggcg cttcatccaa ccagggggaag gcctgaatag aacaaaaagg ctgagtaaga
240gagagtctct tctgcctgac agcctttgag ctgagacact gctttttggg ctgagctgaa
300acattggctc cttctgggtt tcagagcctg ccagtcttca gactggagct acaccacagc
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390

<210> 2917<211> 367<212> DNA<213> Homo sapien

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120ttcagtcgtt aaaactatta catgtcatga agcctctaga aaactcagct cagcggggcg
180cgggtggctca ggcctgtaat cccagcactt tgggaggccg aggcgggtgg atcacgaagt
240caggagatcg agaccatccc agctaacaat ggtgaaacct tgtctctact aaaaatacaa
300aaaattatcc gggcatgttg gtacacgcct atagtcccag ctgctcggga ggctgaggca
360gaagaat

367

<210> 2918<211> 412<212> DNA<213> Homo sapien

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120tccggctctg cctcaccccc aaatccttcc ggtcccccaa ctgcgcagcc aaaatcgaaa
180actactctcg tctcagcgcc cccgctgttg attacctgcc attccgcacg ggcgctgcg
240ccccggccgc tgcgcgcgac ttcggacggc atcccagacg tacccttctc aaggccgtat
300gaccagtccg agctgccatg atagactctc cgaagccggg cgtcacctcc cggaccagcc
360ctgcagcacc gccctcctct ggtcggggcc ggagcccggc tccggtctct tc

412

<210> 2919<211> 394<212> DNA<213> Homo sapien

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60gcacaagttg tatgaacca ggtattctgc agctctgtct cttgtttatt aagatatgca
120cagtttctga atcaacaaat atatctgtga ttcttttata ctactacata aaagaacagg
180agtaattctt gccttataaa ttaaatgtca aacatttctt atatgtaatc atttgttctt
240aaaatatgat ttagtcccag catgcttctt cctgttttct ctttttctct ccagctccta
300tctagtctt caacaaatcc tgtcaactct accttccaaa tgctcttga atccagccat
360ctcaccacct ccaacactac caccattttt cttg

394

<210> 2920<211> 448<212> DNA<213> Homo sapien

gcaggatccc atcgattcgg gctggtgaga cagcatcccc tccaaagaaa atgtatgtgc
60tcagacagggt aaccactgct gctactgttt ttatttgttt gtttgttcaa ttttatttaa
120gatttgtttt tgttgtaacta ggattttaaa aaatgtaata tattgcagga ttataacca
180ggttactga ctgcttgctt gctttctttt tttttttt tttctccaa aaaaaacaaa
240accaagggtt tttttaaaaa acttttagcc ccttttgga cttgattttg gaaagggttc
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448

<210> 2921<211> 347<212> DNA<213> Homo sapien

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347

<210> 2922<211> 402<212> DNA<213> Homo sapien

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300cgatggcaac ctgcgtccag aagccatcac tgctatcac gtgggcttct cctcttggc
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402

<210> 2923<211> 371<212> DNA<213> Homo sapien

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371

<210> 2924<211> 350<212> DNA<213> Homo sapien

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350

<210> 2925<211> 347<212> DNA<213> Homo sapien

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347

<210> 2926<211> 345<212> DNA<213> Homo sapien

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180gatattcttg agtctttctt ctccctcata tacagttagt catccagttc ttcaaatct
240cgttgaaatg tggcttccc tccagccagt ctactgccta tcagtactta cctgtctgtg
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345

<210> 2927<211> 346<212> DNA<213> Homo sapien

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120tagccaactt ttgggagcgc ttctgtttgc aaagcgtg ggtgtgcct gtctctgtgt
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240tcaaggctga tctttaaacc cctgccttg ctgacaagt ctttaaaggc agtctgcac
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346

<210> 2928<211> 341<212> DNA<213> Homo sapien

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341

<210> 2929<211> 343<212> DNA<213> Homo sapien

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343

<210> 2930<211> 342<212> DNA<213> Homo sapien

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342

<210> 2931<211> 400<212> DNA<213> Homo sapien

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400

<210> 2932<211> 417<212> DNA<213> Homo sapien

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120agactccatc tctaaaaaaa aataaaata aaaataaata aaaaatacaa ctaatggaaa
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417

<210> 2933<211> 404<212> DNA<213> Homo sapien

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60tgtagactgg cttagatgaa atttgatcaa tttatttagt tgccttctg cgtttgctaa
120aagtgcagtg gtgggtggca tcacacagtg gtcggagtca gaactggctt ttgataccag
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404

<210> 2934<211> 389<212> DNA<213> Homo sapien

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389

<210> 2935<211> 399<212> DNA<213> Homo sapien

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399

<210> 2936<211> 403<212> DNA<213> Homo sapien

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403

<210> 2937<211> 379<212> DNA<213> Homo sapien

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379

<210> 2938<211> 388<212> DNA<213> Homo sapien

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300aaaatctgaa tgaggaaaga caattaacac taagatgaca aaaatgttgg aattattgca
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388

<210> 2939<211> 374<212> DNA<213> Homo sapien

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374

<210> 2940<211> 378<212> DNA<213> Homo sapien

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378

<210> 2941<211> 387<212> DNA<213> Homo sapien

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240ggcctctcag atcactgagg cacaaaccct ctttgatact ttgctttcct tgcaacctca
300gattacaccc accagggctg gaggccagac ccgggaagag aaggtccttg agttggccgc
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387

<210> 2942<211> 465<212> DNA<213> Homo sapien

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465

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120taataagtca aatagagcca tagaagaaat ttaaaagact caaactaatt cctagagatg
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442

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468

<210> 2945<211> 406<212> DNA<213> Homo sapien

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406

<210> 2946<211> 407<212> DNA<213> Homo sapien

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407

<210> 2947<211> 380<212> DNA<213> Homo sapien

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240gacttttagac atgtgcattg gtttgacct tctaattagt tgaattttta cttattttga
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380

<210> 2948<211> 374<212> DNA<213> Homo sapien

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374

<210> 2949<211> 407<212> DNA<213> Homo sapien

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407

<210> 2950<211> 387<212> DNA<213> Homo sapien

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120gtgtggcgc cctctctct tgtgtgcgct ccccccccc cgctctctca ctcttatgtg
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387

<210> 2951<211> 400<212> DNA<213> Homo sapien

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400

<210> 2952<211> 395<212> DNA<213> Homo sapien

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395

<210> 2953<211> 418<212> DNA<213> Homo sapien

accgatgctg ccggaataga gaaaacatta tctgtatgag ctcttctcga tttacatgta
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120gggaacctcg taaagccttt atcaactgca atgtatggac ttctatactg aaatgtttac
180agatgaaatt atatgatgac tgggatttaa aagaaatcct acgatagcca ggtgtggtgg
240tgcattgccag ctactcaaga cgctgcggca gaattgcttg aaccaagag gtggaggctg
300cagtgcacca agaccacacc actgcactac agcctgggca acgagagact ctgtctcaca
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418

<210> 2954<211> 394<212> DNA<213> Homo sapien

cggtgctgtc gagctcagga ggctgaggtt gcagtgaccc gtgatgcac cactgcactc
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120cttttcatgt attgacctta aaaaagaatg tttctgaata tgcctttaat ctgacaaacc
180accaccttaa tattctttta aatcagttt gagcctacag ccatgccact gtgaatgtgt
240ctgatctcat gtgatcatgg aagctaaagt gagtttgata tgataaatat atgcaacgta
300actttaataa taacttttaa aaatatgttt ttaaggccag atatggtggc tcacgcctgt
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394

<210> 2955<211> 407<212> DNA<213> Homo sapien

ggcacgagca gctactcggg aggtcgagac aagagaatca cttgaaccca gaaggcagag
60attgcagtga gctgagatca tgccactgca ctccagcctg ggtgacagag tgagactcca
120tctcaaaaaa ataaaatatt gtggtattgg cacaggagtg gacaactagg tcaatctagg
180aacagacctt ttggaacttg atatacatga aatgactcaa ccaatcagtg aagacagggt
240ggatgttcac tgaatattgg agaaaactga actcccccat acaaaagaaa acagatttcc
300actttacaca cactcaaaat taaatttcag attaaatact aggatatttt taatgattta
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407

<210> 2956<211> 412<212> DNA<213> Homo sapien

cgttgctgtc gggcaggccc ctgtaatccc agctaattgg gaggtgaag caggagaatt
60gtcaaacct gggaggcgaa gattgcagtg agctgaaatc acaccactac actccagcca
120aagcaacaag agcaaaaact tcgtctcaaa aacaaaacaa aaaaagagta ttcattgtga
180ggacaacaa tacaaatcag aagagggttg tagtaccttt acttgtatca cagatacttt
240tgtaccatt ttgcactaga ggaaaaccat gaagcagttg ctcaaatgtt gttcaacacc
300agaaaattta tattggagaa aagcactgta aatgtaatgc atttgtgaaa acatttttta
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412

<210> 2957<211> 407<212> DNA<213> Homo sapien

ccgtgacctg cctgggcgcg gggaaactgaa agccggaagg ggcaagacgg gttcagttcg
60tcatggggct gtttgaaaag acccaggaga agccgcccac agaactgggtc aatgagtggt
120cattgaagat aagaaaggaa atgagagttg ttgacaggca aataagggga tccattggag
180tcttttgctg aatactaagc tgtgcatgct tagagtgaat tttcaagaga ctgggcaaa
240aacaattact aggaacagaa caactaccag gaagctgtaa gctgaataat tcttagagct
300aataaaggat tgagaagtgg ttgagctctg atcagacaca gaaaagagac tttgttgaa
360ctctgggatg ttcaatagag acctcagaag agtcacacct tattaan

407

<210> 2958<211> 328<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtct ctgcattaaa caggagcttt tctaatatgg
60ctggaaactg ttgggggtgg attagagatt tttaaggatc ttatggcaag ctttggctgg
120tagagtacaa gaacttagtg gtgtctttta ttgggggtttt ggggggtgctg ggaactatga
180cattacaaag agccactaat tgtaaactga aggaaaaaat actggtcaat gaagggaac
240ttaactataa aatcaactta gtagaaataa accattaagt ggtactaata tgggcaggca
300cagtggttca cagctgtaat tccagcac

328

<210> 2959<211> 344<212> DNA<213> Homo sapien

tacgggtgcg agaagacgac agaagggtct gtgtggcaca cagagatgcg acctactcaa
60tctgacttag taaaaccatg ctgtagaatt ttgtcttaa aaagaccaca taccagcac
120ccatgaaata aaagattcat ctgtaattgg gattcaaagt gattaaattc ctttgttcat
180actcataaat agcactaaag tgttataaca ttttcattta cctattttta gttccttcat
240tttaacttaa taaaaatctt ggattgatat tctttttttt tttttttttt ttttttggga
300aaaaaatttt ttttttccc cggggggggg aaagggggtt tttt

344

<210> 2960<211> 340<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtct cttaacaaca ggactagcag agacttagct
60gaacagtgtg taaagggtatt agaactgata tgtactcgtg agtcaggagc agtctttgag
120gctgggtggt tgaattgtgt gcttaccttc attcgtgaca gtggacatct agttcataaa
180gacaccttgc actctgctat ggctgtggtt tcaagactct gtggcaaaat ggagcctcaa
240gattcttctt tagaaatttg ttagaatact ctgtctagtt tattaaagca tgaagatcat
300caggtttcag atggagctct gcgatgcttt gcatcactgg

340

<210> 2961<211> 388<212> DNA<213> Homo sapien

ggcacgaggt ttcaaactcc tgggtcaag cagtctctct gcctcagcct cccaaattgc
60tgggggttaca ggcttgagcc actgtacca gccatcaat aatttttgcc tgaacaatt
120tttattgcga tctttgtgtt gagagtctc catggatctg ttgtgtgctt acatgtcttg

180ctgggtgtgc caagaatgca aggcccaaga atgctcttta tttgggcctt ttctcaggg
240tgtttacaca gctggtaatc ttcagagaca agttaatgtt tcctcttgga caaagagcag
300gcttggccac tgcttggtat aaaaacaata gatttcagcc gggcggtgtg gctcatgtct
360ataatcccag cactttgatt tttttttt

388

<210> 2962<211> 403<212> DNA<213> Homo sapien

ggcacgagag aggagctcag agaggaacgg agaggcagac agagggaaac aacgcagaaa
60gaaacagagc caaagccaga gtgtgggggg agccggagga agaaacaaaa acacacacat
120gtggagtcgg aacgacacag gcagagaggc acagagtcgc agcaatccag acagaaagag
180acacgcagaa agaaacagac agtgacagag aagatggtag cctctctgcc ctcccaaac
240accttgcccc actggtcctg gctggcgga ggggactcac aggccttga cctatgccca
300gtagggaag agacaggact tttcctcaga ggccttcaat gagaccccat tcccaaaaag
360gttggtctg acacacagca gccatggtgt ccacggcccc cat

403

<210> 2963<211> 393<212> DNA<213> Homo sapien

tccagatgca gctgcagccg cgcaggcagg agccaggagc aagtgggagc cctgcctctt
60ccaagtggc ggggtgggag ctcccagtg cagctgtggc tgcccccca ggcacaggac
120gagggcatct ctgcagcctg caccatcggc catcccagga aggacagccc ccttcacct
180ccatccctgc aggttcaggg gtgtctgctt cactgcctg gcctctctcc actccagcaa
240ctgctctgat cttggagggg agtcggagcc aagacctgca gccatgaatg gcagcaggag
300gaaagggggg gggnnccan naaggccca cctcangcc agggagggcc tgaattctgg
360gggctgggct gccagtcct ctgaccagag agg

393

<210> 2964<211> 423<212> DNA<213> Homo sapien

ggcacgaggt tcaaataagg tgtaattgaa aagtgtcct ctcttcagag atgtcaaaaa
60caacaatatc caagtctgga tctcgtctt ctcgtcaag atctgcatca agatctcgtt
120ctcgttcatt ttcgaagtct cgggtccgaa gccgatctct ctctcgttca aggaagcgca
180ggctgagttc taggtctcgt tccagatcat attctccagc tcataacaga gaaagaaacc
240acccaagagt atatcagaat cgggatttcc gaggtcacia cagaggctat agaaggcct
300attatttccg tgggcgtaac agaggctttt atccatgggg ccaatataac cgaggaggct
360atggaaacta tgcgtcanat tggcagaatt accggcaagc atacagtcct cgtcagggcc
420gtc

423

<210> 2965<211> 385<212> DNA<213> Homo sapien

cgttgctgtc ggtttattgt aacagtaatt aaatgctgcc ttaattgaag gggtttgggt
60ggattttttt ttctcaaat aagctgtagg gactatttta acagcttaaa caggagctct
120caagatgcac tttcgtattg agaggaatat gggcttgatc ctcttctat ctaaatgggt
180gggccatttg attgtagagg gtccaccaca gaattatggg atgccttaag tgctgttact
240aggttgctca cagcctaacc tggcgtgttg ttagggctg atggagacc atgtgagcct
300ttgctttcct ctggccccag cccaccctg aacacagctc atacgcagaa tcaggaccag
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385

<210> 2966<211> 376<212> DNA<213> Homo sapien

cgttgctgtc gtggggacag atttgatg cttgattcac cttgaagta atgtagacag
60aagtctcaa atttgcata taccataact ggaaccagca gtgaatctta atgttcactt
120aaatcagaac ttgcataaga aagagaatgg gagtctgggt aaataaagat gactatatca
180gagacttgaa aaggatcatt ctctgttttc tgatagtgt tatggccatt ttagtgggca
240cagatcagga tttttacagt ttacttggag tgtccaaaac tccaagcagt agagaaataa
300gacaagcttt caagaaattg gcattgaagt tacatcctga taaaaacccg aataacccaa
360atgcacatgg cgattg

376

<210> 2967<211> 384<212> DNA<213> Homo sapien

gaaggaatga agattgacct catcgatggc aaaggcaggg gtgtgattgc caccaagcag
60ttctcccggt gtgactttgt ggtggaatac cacggggacc tcatcgagat caccgacgcc
120aagaaacggg aggtctgtg cgcacaggac ccttccacgg gctgctacat gtactatttt
180cagtatctga gcaaaccta ctgcgtggat gcaactagag agacaaatcg cctaggaaga

240ctgatcaatc acagcaaatg tgggaactgc caaaccaaac tgcacgacat cgacggcgta
300cctcacctca tcctcatcgc ctcccagagac atcgcggctg gggaggagct cctgtatgac
360tatggggacc gcagcaaggc ttcc

384

<210> 2968<211> 225<212> DNA<213> Homo sapien

tcacactgcc ttccaccgc tagcgagccc aattgcatgc aatatatgcc tgatgatcca
60ggggaggaga gagagtgatg cagagctggt gcagaagggc agcgagctgg tggctctgcg
120gggtggcgctg cgggaggccc gtgctacgct gcgggtcagt gagggccgtg cgcgggggtct
180acaggaggcc gccccgactc gggagctgga gctggaagcc tgttc

225

<210> 2969<211> 413<212> DNA<213> Homo sapien

ggtgctggcg attctgtgtt attaattata ttcatactat tgtgcaacca ccggcaccat
60ccgtctacag aactcttgat ctcccaaac tgaaattatg tattcattaa acaataacca
120cccattacct cctctctcct cagccttgg taaccagcat tcagtctcta tgaattgact
180actctggata tctaaaagga atcattctta ttctatttac cataaagact tcaaagttca
240ttcatgttgg aacatgtatt agaatttctt tactcttaaa ggccagatat gccgtaggat
300gtaaataccg tagtttgtgt atcaggtcat ccattactgg acactgggtt gcttctgctt
360tatggctatt gtgaataatg cttctgagaa cgtgggtata cagataactg cat

413

<210> 2970<211> 405<212> DNA<213> Homo sapien

cgttgctgtc ggcctgggag acagagcaag actctgtctc aaaaaaaaaa aaaaaaagg
60taaaaaattta cccggggggg gggaggggcc cctgtatttc cacttcctca ggaggggggg
120gcagaagaat cttttgaccc caaaattcaa aatggcaag gacttataat attgttattg
180ccctccacct taggcaacaa aggaaaacct tgtttttaa aaaaaaaaaa taagccaggc
240ttataatagg ttatcccaa gggagtaagg aggttttata gggccaaacc cttcttataa
300aaaaagaaatt agccaaacta tggttggtta agggtaatag gaaaggctta tatggagaac
360ctttattctt aaaaaaaagg gaaattttt ttcggtaccc catgt

405

<210> 2971<211> 381<212> DNA<213> Homo sapien

gcctacggct gcgagaagac gacagaaggg ccattccasta atagattggg cagcaaacaa
60tccaagctgt gagccaaagt cagccacta tgaggccaac tctgtttgca cccattcttt
120atagcttttg cactacagtg gcaaagttaa gtatgtgcaa cagagactgt ataacctgta
180aagccaaaaa cctcactgtc tggactttta tagttccaga ctctcacact agttgaatac
240tttgaaaate ttcaggttct ttctgggaag tttggtaaga ctatctctaa gcagtattag
300ataattggaa tcttaccatt tagcacactt tcatacaaaa agtgacaggg aatggttggg
360atcagaacag aacaacataa n

381

<210> 2972<211> 437<212> DNA<213> Homo sapien

aggatccctc gattcaattc ggcacgagga cagagccgac tccatctttt agaaaaaata
60aaaaatattaa gaggttctgc tgccaaatgt gggttctgtg ggtcgggtgt gggttctgtg
120ggtcgggtgt gggttctgca aaccagggtg ggattctgtg taggttctgc aggccaggg
180taaaaggctca cacctgtaat ccagtagctt tgagacgctg aggggggagg atcacttgag
240cccaggagtt caaaacagc ctgggcaata tagggagacc gtatcactac aaaaaagttt
300tttttagttca ccgagcatgg gggcacatgc ctgtagtccc acctactcga gaagctgaaa
360taggggcacc tgaccctggg aggctgaggc tgcagtgagc caaaatcgca ctactgcact
420ccagcctggg tgacaan

437

<210> 2973<211> 399<212> DNA<213> Homo sapien

ggcacgagat tacatttccc agtacttctt gttccctctt cctgctttct cttttttttt
60tttttttgaa ttaaaaacgg agtttggtt tgccccggg tggggggcca ggggaaaaat
120tttgcttaat tgaaccccca ccttgggggg ttaaagaatt ttgctgcct aaccctcgg
180agaaatggga ataaaggggc cttgcccccc ccccaacctt tttttggttt ttttaagaaa
240aaggggggttc aacctgggtg gccgggctgt tccaaacttt tggccctggg gggatcccc
300cccctgagcc cccaaaaagg tggaataac gggggggacc aaccatgcc aaaaattgggt
360ttaatttttt taaacctttt aaccaacctt accaaaaat

399

<210> 2974<211> 346<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggggc cttcatgttg gcagttccag aagtgggggt
60gaggagaga gagaatactt gaggaataa tggtgaaga cttcctaaat ttgatgaaag
120acctgaatat atgcatccaa gtagctcaac aaattccaag taagatgaac tcaaagagac
180cacacagata ccaacatttc acaagccaaa gccagagaat ttgaaagca tcaagggaga
240agcaacttgc tacatacaaa ggatcctcag taacaggtcc ccaagccctg ggccacagac
300tgtaacagt ctgttatgtt ccagaccaca cagcaagagg tgagtg
346

<210> 2975<211> 341<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggca cttatgacaa cattaacaca gaatgccagt
60tcatcagcag ccgactcacg gagtggtcga aagagcaaaa acaacaaca gtcttcaagc
120cagcagtcac catcttcttc ctcctcttct tccttatcat cgtgttcttc atcatcaact
180gttgtaacaag aaatctctca acaacaact gtagtgccag aatctgattc aaatagtcag
240gttgattgga cttacgatcc aaatgaacct cgatactgca tttgtaatca ggtatcttat
300gtgagatgg tgggatgtga taaccaagat tgccctatag a
341

<210> 2976<211> 427<212> DNA<213> Homo sapien

ggcacgagcc ggccccact gagccactc cggcctctga agccaccgga gccctacgc
60ccccaccagc acccccatcg ccctctgcac ctctcctgt ggtccccaag gaggagaagg
120aggaggagac cgcagcagcg cccccagtgg aggaggggga ggagcacaag cccccgcgg
180ctgaggagct ggagtgagc acaggggaagg ccgaggagcc cgtcaagagc gtagtcacgg
240aggaagccga ggaggggccg gccaaaggga aggacgcgta ggccgctgag gccacggccg
300agggggcgct caaggcagag aaaaaggagg gcgggagcgg cagggccacc actgccaaga
360gtcggggcgc cccccaggac agcgactcca gtgctacctg cagtgcagac gaggtggatg
420aggccga
427

<210> 2977<211> 427<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gagagagttt tagtgataga gagagagaga gagagagaga
60gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga
120gagagagaga gagagagaga gccccccctc tctctctttt ttttggggcg ctctcttttt
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240ccccccccc cccacacaag agagtgtctc tctctgtgtg tctccactc tctctctctc
300tctccccccc cccccctctc tctctttttg ttttgtgaga gtgtgtgtct cctcccaca
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420acacgct
427

427

<210> 2978<211> 339<212> DNA<213> Homo sapien

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60aataacaagc tgtatatatt tcaaaggttt tttaaacttt ggacactctt tcttttgta
120accacttaaa ggaataaaaag agctggaaaa aaaattggac cttcaactca ggtgttcca
180tataacaaac gtattctttg ctgttacgta agattttcga ttcacagagt ccattcatgt
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300ttgctacaca tacatcatgt ttaggagaat gtgggatat
339

<210> 2979<211> 394<212> DNA<213> Homo sapien

cgttgctgtc ggtagcattt gatcagcttt gccacagatg aaaagcagaa ctggacatgg
60aagagaagtg aagtaaggac aagctggaat ctataggcat ctctgcatct atctttcact
120gcatctagcc atgacaaact tcatagtata atgactacag ctttatctcc aactttttt
180tttttttaag aagaaacttc ccggacgaga tcccagaggg gtatttttagc atcctagaga
240cctcctccta gagggtcaag gaagatacct gcctcaagtt ctgggagaag aggaatata
300gggcatgggc cactatacac gggaagtttt tttttttaa aacaaaaaag gctttgacca
360cttagaaaa gctgagtttc gacacatccg ctctg
394

394

<210> 2980<211> 399<212> DNA<213> Homo sapien

ggcacgagca tgttcaggcc ccgaacattt ccggtgctga ctccggccta aacgtttgtg
60ccataatgga aaatatctat ctatctgttc tcaaatcctg tttttctcat agtgtaaaact

120cacatttgat gtgtttttat gaaggaaagt aaccaagaaa cctctaggaa ttagtgaaaa
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240taaatagaat agtggtgaag atatgaaata tggctatttt taatggtgac aattatgact
300tttagtcact attaaattgg ggttacctat atcagtacaa tttgtagttg tttccagggt
360tggctaataa tcattcctta acctagaatt cagatgatg
399

<210> 2981<211> 399<212> DNA<213> Homo sapien

tatagtggaa acagtatttc tagatgtagg attttagcaga caaagacttc aaagcagcta
60ttgtaaatca gtttaaagca gcaaagtaag ctaagaatga aaataaagtg tgacaaatag
120agatgttcaa aaaggagata gaaatgattt taaaaataac aaaatgaaaa ttctgagatt
180gaagaatata gtaactgatg tgaaaaattt actagagggt cttaccagag gtttgacatg
240acagaagaaa gaagcagtga atttcaaagg tagatgatct aatctgaaga tcagagagga
300aaagattaaa agaaatcagt agagccacag agatctgtgg gtcagcatca agtttaccta
360tgtatgtgtg atgggaatct cagaatgaat agagaaagc
399

<210> 2982<211> 397<212> DNA<213> Homo sapien

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60aaaaatgttaa aaaaaaaaaa aaaaaaaaaa aaccctcgcc ccttaaaaaat .tttggggggg
120gggtttaccgg aaacccaaac ttgaaaaaaa ccttggtggg gtgggaacaa cccccataa
180aaaggcgggg aaaaaagggt ttttttgga aaattgggaa ggctttgggt tttttgaaac
240ccttttatagg cggaaaaaaa aaggtaaaca ccacaagggt ctttttttt ttttcagggt
300ttaggggggg ggggggggga gttttccna acaccaatat acagggtata cctctaacta
360cagcttgc attggttaa aattgccatg gggaaag
397

<210> 2983<211> 372<212> DNA<213> Homo sapien

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60ctggcctgtt catcccattg cagcaaccca atatgaaagc aaactgctca ggaaccagag
120gggtgtcccg ccattgtcac tgtcattgcc catgccacac tagctgcca gaggcctaag
180aacctgcca cttgctggaa ccaaggcttc aacacctggg taagtcacct ggaggcccaa
240gtattggccc acctagacgt gccaacatca gtggtaggtt tgggtgtcct gttcctgggc
300cccaataact gaactatttg gtatccaaat ccccataaaa actccagcac aacctccact
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372

<210> 2984<211> 410<212> DNA<213> Homo sapien

cctagtttta tttctttgta gtgaaagaag attgccag agacagacag cagcatggtc
60agtgtggtag gagccggcca tcagcgagag ctgctccatg cctggctgct gggagctaga
120gcctgcgggc cactggcttg cctcactgta gttggtggtg gcagtgcag agactgcagc
180atgaccagag tggtaggaca ggggctatcc agggctgcac ctttcgagt gtgggtggg
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300cagggtgca ctgcccacag cagggagggt ggggttatgg tgctttctgg ggctgcaatg
360cccatggagg aggacagggt agggcatatc gggatatgc tactggcgga
410

<210> 2985<211> 407<212> DNA<213> Homo sapien

ggcagcaggc ctggcccagt tactcagttt tgaatctgag gccgtgacat cactcatggt
60ctgcagtcag tgctctgccc ctgagctgta cctctccta tgataatcac tcttaagaag
120ggcaaccctt ggtgttttcc ccttaaggct acccaggctg gaatgcagt gtgtggtcat
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240ccaggactac aggtgtgcac ccaccaccac actcagataa ttgctttgggt gtttttaaa
300cttgtaatga tcagtaggct gaggtgggca aatcataagg tcaagagttt ttttagatggg
360gtgagcacag accaattcct gttttattta ctgatttaaa attttga
407

<210> 2986<211> 453<212> DNA<213> Homo sapien

ttgttcttta ctagttttga aaaaagtaga acaaaataac caaagtgact tttgtacttt
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120ttgaactcct ggagtatcct tttgcctcag cctcccaggt agctgggact gcagggtgat
180accacctccc caacttggat ttactagtag tagcaagtgt agacaagagt ctcctatttg

240gaatgtaaatt tgttggttg aatgtacgtt ggcacaactt ggggaaagt tggcaatgta
300tatcaaaagc attaaaattg tgtatatctt gtggcctggc aatactcctt ttatgaattt
360attataaaaa aaagtacatt ttttaaaaa cttagctggc tgggtgtggt ggctcattcc
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453

<210> 2987<211> 407<212> DNA<213> Homo sapien

cggatggatt tggaagctgg aattcctctt aacaaccaag gggtttattt tcaaagcaat
60attggggaat tgatttcaca gttcgttacc ttagtaggga acggttaagg tttcttttt
120tttttttttt ttgggattaa aaacctgggg gcctaaattt aaccaaaaag gggccaaaag
180gtggaatgaa actaactttt gggcaaaatt aaaccatccc cccaaagggc gaaaataatc
240caccgcccc ccggtttttt tgggtgggta aatttggttt agattaaaaa caggcttttg
300ccccccagcc gggagggcag gggggtaatt agaactttt cccccggga tgaaagcaat
360atcctgcctt cccccccca gaaatctaaa ataacgggcc cccccct

407

<210> 2988<211> 339<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggta agctattaag tgcattgttc cctcaggccc
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120aaagcacccc cttttttttt tttttttttt ttttaaaaag ggaattttgt tttgtgccc
180caaattggggg ggcaggggga aaatttaatt taaccacacc ctcttcttcc ggggtaaaag
240aatttttccg gccttgcccc ccaagggggg gggaataaag gggccttgcc cctcccccg
300ggaatttttt ttttttttta aaaaaaggg ggtcccccc

339

<210> 2989<211> 399<212> DNA<213> Homo sapien

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60aagggcgagg agggccgct gcgcaagcag cagctggaag cggaggtgga gctcaagcgt
120gacgaagccc ggcgcaaagc tgaggaagac cgggtgcgga aggaggagga gaaggcgcg
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240gggctcggca agcccaagtc aaagccgaag aagccgcggc cgaagtcggt gcaccgggaa
300gagtcgtgca gcgactcgg caccaagtgc tctccaccc ctgataactt gagccggact
360cagtcaggct ccagcctgtc cttggcctct gcggcgaca

399

<210> 2990<211> 326<212> DNA<213> Homo sapien

tctacggctg cgagaagacg acagaaggga tggtaaaatg ataataacg aataactataa
60tcaacctat gtccacaatt tgataactgc aatgaaccaa tctttgaaa gacacaattt
120gtcaaaaactc acataagaaa tagaccatct gagggggcct aaacctttta aagaattgaa
180ttaataatgt taaccttcca aaacagaaag cagggaccca gatgggttca ctagtgaatt
240ctactaaaca tttaaaggaa aaactaataa atgagatatt ccatgtttat ggatcagaag
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326

<210> 2991<211> 380<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcgc ggcctcagcc tccagtggcg cgatctcagc
60tcaactgcaag ctctgcctcc cagttcacgc cattctcctg cctcagcctc ccgaggagct
120gggactatag gcgcccgcga tcacacctgg cttttttttt ttttttttg ggaaaaaacg
180gggttcccc atgtaacca ggaggcccta aatctccgga cctaaggacc cgccccctg
240ggcctttaaa agggctagaa taacgggggg gacccccgc ccagggcctg ggaagcacac
300agttttaccc ttgttacct cccttgggga aaagggtttc ggcacggggg ttcttttaaa
360ggagggacca gccctcattg

380

<210> 2992<211> 378<212> DNA<213> Homo sapien

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120ccactgaaaa taaatcactc caacaatgca atagtaaaac cccctgagat gacacctcag
180gctgcagcta aggagttaga agaagtaatg aagcgagtac gagaagctca gtcatttatc
240tcagcagcta ttgaaccaga gtctggaag agcaatgaaa gaaaaggcgg ncgatctcgt
300tcccatactc gctcaaaatc caggtctagc tcaaaatccc attctagaag gaaaagatca
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378

<210> 2993<211> 450<212> DNA<213> Homo sapien

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60gggtcaagtct tccgccaccc ccgataaagc ataacatgga tattggaact tgggataaca
120aggggtcccggt tgcaaaagcc ccctcacagg ctttggttca gaatataggt cagccaaccc
180aggggtctcc tcagcctgta ggtcagcagg ctaacaatag cccaccagt gctcaggcat
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300tcagcaaca ggcagctcag ccaacccgct gggtagcacc tcggaaccgt ggcagtggggt
360tcggtcataa tggggtggat ggtaatggag taggacagtc tcaggctgggt tctggatcta
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450

<210> 2994<211> 405<212> DNA<213> Homo sapien

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60gctacttttc gctgaaagcc aaccagggag cttggatcct cagacttagg aaggagcgt
120ctgaagatat ttatagaatt tacagccacg atggcaccga ttctccccct gatgctgatg
180aggtgggttat cgtcctcaac aacttcaaaa gcaaaattat taaagtgaag gttcagaaga
240agggagatat ggtgaacgaa gacttgctga gtgatggaac gagtgagaat gaatctggat
300tttgggattc cttcaaatgg ggctttacag gacagaacac tgaggaagtg aagcaagata
360aagatgacat aattaatatt ttctcgttg catctgggtca tctct

405

<210> 2995<211> 400<212> DNA<213> Homo sapien

ggcacgaggg gggacgcgt caatgctctt tatgtatccc ttagngggct tccgatttaa
60gcgactgccc acgagaccca aaaaagggtg tccggaaatc tcaccgtgag gcgcggctca
120tcagactgaa acttgctcac agacttcag ttatttattt ggggtctgaa ggatatcaac
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240agagttttat atatttatag tcacagacgg cagaggaaga ggctctcagt ccccacctgt
300acaacaacgg aaagggtgtgt ggccacacta agaatccaaa cgccgtggcc tcctgcagag
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400

<210> 2996<211> 336<212> DNA<213> Homo sapien

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60ttattaggaa atgcatgtat acggaaaaag aagaaggaat ctttaccat ggactacagg
120aagtgaagc aaaacgtttc cctacctgaa agtttccttg tgtgagactg gaatatatag
180ttttacctct gtacaccatt tttgctctag cctatatgga ctacctacac tcataatgag
240aataatgac aaatgaagga gttcgggtttt gtttgttct tttcttctt ttttttttc
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336

<210> 2997<211> 375<212> DNA<213> Homo sapien

tacggcttca gattacgaca gaaggagttt gtatcctagg agcaataggc tataccatat
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120tgctcaggga cgaaattgcc taaaaactca tttcttagaa tgtatccctg tcgttaagggt
180actcgtgacc gtattactat cttacagatg aagaaagtga agttctgaaa ggttaagtgt
240cttgccaaa gacacacagc cagtataatg ggagcaaac acaactgcct gaagaaaaac
300tttggtgat taaagtaaag taaaaacaga tctgaaaaga tctaccaatt caaatccttc
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375

<210> 2998<211> 373<212> DNA<213> Homo sapien

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60cctgggtttc aacgctagcc ctttctggat tgccatacgc cctgccaaga tactgcaggc
120ccattcaggc ctgtgctatc tgcatcagcc gagggctttc caggaacttg actgtctttc
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373

<210> 2999<211> 399<212> DNA<213> Homo sapien

gggaagaaga aggaggagt gtaaaggctc caccaaccca accagttctg cctcctcaaa
60ctataatcca gcagcctcag ccattaattc aaccaccacc attggtgcaa agccaactgc
120ctcaacagca gcctcaacca ccacaaccac agcagcaaca aggacctcag ccacaggccc
180agcctcacca agtgcagcct caacagcagc agctgcagaa tcgctgggta gctcctcgta
240acaggggagc aggccttcaac cagaacaatg gagcgggcag tgaaaacttt ggtttaggtg
300ttgtacctgt cagtgcctca ccttctagt tagaagtga tcccgtgctg gaaaagctaa
360aggccataaa caactataat cccaagact ttgattgga

399

<210> 3000<211> 428<212> DNA<213> Homo sapien

ctttactagt ttgaaaaaa gtagaacaaa ataaccaaag tgacttttgt acttttttat
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120ctcctggagt atccttttgc ctcagcctcc cgagtagctg ggactgcagg tgtataccac
180ctccccaaact tggatttact agtagtagca agttagagca agagtctcct atttggaatg
240taaattgttg gttggaatgt acgttggcac aacttgggga aagtttggca atgtatatca
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360aaaaaaaaagt acatttattt aaaaacttag ctggctgggt gtggtggctc attcctgtaa
420tcccagcn

428

<210> 3001<211> 390<212> DNA<213> Homo sapien

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60acagcaactg gacaaagggtg aatttacgga gaagtacgtg gtcccgaga caaggctggc
120attcaagttc atcacactct accgggcgat acgggagcat ggcttctacg tcaactgactg
180tccccagcag caggcacaaac cccctgaggg cggcggtttg tgctgagagc tatgtaagcg
240cagcctgtac gctggagggt agggaggatg ctacctttaa tcaactactat ggatctctaa
300atgcatttaa ctgctgataa taaaacgtg tatgggccgg gcatggtggc tcacacctgt
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390

<210> 3002<211> 405<212> DNA<213> Homo sapien

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60aaggctgaaa tagttcatta tgtaataaac cttctttatg ttctcagga aatgcttagg
120tggtgtcaca aaatgtgcct ttctttttct ttctttttt tttttttggg gcaaagcttc
180ctttttttccc ccagggtgaa ggccaggggg ccaacttggg ttaattgaag cctccccttc
240cgggggttaac ccttttttct ggcttagacc ttcaagyaat tggaattaa agcttcccc
300cccccccccg ggatattttt ttggattttt aataaaacac ggggttcattt ttgttatcca
360gggggggttca tatctccggc cccaataatc cccccgcttt tgctt

405

<210> 3003<211> 433<212> DNA<213> Homo sapien

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60caaagagggtg gattctaaac ctgtttccca gaagccccca cctccctctg agaaggtaga
120ggtgaagtt cccctgctc cagttccttg tctcctccc agcctggcc ctctgctgt
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240agaagctaca cctccaaaac caggagaagc caaggctccc ccaaacatc caggagtgt
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360aggcaagaag actgacaaaa agtacctgat gatcgaagag tatttgacca aagagctgct
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433

<210> 3004<211> 335<212> DNA<213> Homo sapien

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60gctggtaagg tgggtcaac caaaaaaggc ccagtggacc ctacactatg gaatgaattg
120tgtccccca aattcgtatg ttgaaccctt aactctcaat gcgactatat ttggagatag
180ggttttttagg tgattcaggt taaatgaggt cctaagggtg aggcctaat ctgatgggac
240tggtgttctt ataatggaa caggatgcac aagagagctc tctctcccca catgcacgaa
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335

<210> 3005<211> 350<212> DNA<213> Homo sapien

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60tggctgggtg ctttgcctcc cttgctatgc tgccaccctg agtttctgca cttcagaggg
120tttccatcac ttccttgcta aatttcagtg ctgtacctta catattctac ctaaagctta
180gttttatagt tgagttgatt tttctttgtg gaagagatag gcgtcgagca cttcagtta
240gccatttaac gcgtttttta tgttttaatg ctgaatagag ttccattgta tctactactt
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350

<210> 3006<211> 405<212> DNA<213> Homo sapien

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120gtattgatgt tgatcttaaa catagacatg atagaatgac tcagaattta atactctttg
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405

<210> 3007<211> 408<212> DNA<213> Homo sapien

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60agtggagcca gatcgtagca ctgcactcta gcctgggcaa cagagcaaga ctctgtctca
120aaaaaaaaaa aaaaaggggt ggaaaagggg aaacggcttg ggggggggtg tacacctgt
180gaacccaacc tttggggggg ccgggggggg gggactccct gggggaaggg attggaacc
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300gggggggggg ccctgaaacc ccggtttttt gggaggggtg ggggagaaaa ttggttaaac
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408

<210> 3008<211> 422<212> DNA<213> Homo sapien

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120agtctgatta tactcataat aatataattt tatctgcagt gcctagaaca aaacctgcca
180tatggcaaat agtcaatatt tgttgaagaa atagattaat tgacattaaa agggagaata
240tttaatccct gctgaggact aataaaatca tttttattat tgtcaacttg cttaacaac
300catctcacia ataaaatgaa ggctactata ttgttttgca gttctgaatc taactttaca
360aaaatattga agagcatgct aagaaaagat catatatctg gcacattaaa aggcgttag

420ag

422

<210> 3009<211> 407<212> DNA<213> Homo sapien

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120aacaagacc gatgtgtacg cctagccctg gttcatgata tggcagaatg catcgttggg
180gacatagcac cagcagataa catcccaaaa gaagaaaaac ataggcgaga agaggagct
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300gaagagtacg agacccaatc tagtgcagaa gccaaatttg tgaagcagct agaccaatgt
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407

<210> 3010<211> 403<212> DNA<213> Homo sapien

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300gaggaaatac cattcagttt gccttaacag gaatgagagt gattgccatt gatatcgatc
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403

<210> 3011<211> 387<212> DNA<213> Homo sapien

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60cttgaccac gatggtgagg cctccccagc catgtggaac tgggagtga gataaagctc
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300atttttgcat tatcaaagtt aaatatacac catggaaatt tgaataacta gaagaaggga
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387

<210> 3012<211> 380<212> DNA<213> Homo sapien

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120ttggtgattg gtacatggga cctcactcat gtatgtttgc atctacttgt gagtcaaaaa
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240aaagtaaaag attatgaatt taggtcaaaa gccaatctcc ctctcattta attctacatg
300agcaagtcaa ggagtttggg agagctttat gaaatctcta aagattgaag gaaaacaatc
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380

<210> 3013<211> 391<212> DNA<213> Homo sapien

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120cccccaaaaa aaaaaggggg gccttatacc taaaaccaa acggaaaaaa aaccttgaa
180agttgggaaa aacccaacc aaaaaggcgg gaaaaaaagg cttaattgg aaaaatggg
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391

<210> 3014<211> 385<212> DNA<213> Homo sapien

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120tagacacaaa ggtacattta aaagacttaa aattttactg gatggaacat gatggaggct
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385

<210> 3015<211> 372<212> DNA<213> Homo sapien

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372

<210> 3016<211> 381<212> DNA<213> Homo sapien

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381

<210> 3017<211> 442<212> DNA<213> Homo sapien

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120atgctttact tattccaaaa aaataacaag aatggaaaga ggaaaaataa acctgaaagc
180gagttgagat acattaatcc agctgtatct taaatgagaa acataaccac accgacgggg
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360cgctggtggc tcatgcctgt aatcttaaca ctttgagagg ccgaggcaag atcacctgag
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442

<210> 3018<211> 427<212> DNA<213> Homo sapien

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120atggcaccct ctttttctaa ggtaaggga atctccttcc ccccccccc taaaaagcgg
180gaaaaaagg cacttccccc cttcccaggt taatttttgt tttttaaaaa aaaagggggg
240ttcccaagg ggccaagagc agccctgtt cgtgcacaaa ggcaccaaca tggagaccgt
300ccaaaactgt cgcatttagg ggactgacct caccgtccaa gcgatattgg gttttaaant
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427

<210> 3019<211> 418<212> DNA<213> Homo sapien

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120ggggaaggga ctctgtcccc ttggggctca tcacccttcc acatcctcct cctcgttggc
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240cctgaaaggc aggggcccaa tctcgttaa ttgaaaactt ggcctcggga ataaaggcaa
300ttttccggcc taacccttta aggaactggg aataacggc ccccgggccc cccccgggt
360taattttgga ttttaaggga aaagggggtt taacattgct gcccaaatgg ttttaaat

418

<210> 3020<211> 375<212> DNA<213> Homo sapien

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120catgcgcgca cacatgcaca ggagcctcca aacacacgtg catgcacaca catgcacaca
180ctcacacgca tgcacacacg cacacaagca aacacatgga cacacacaaa cgcgcacatg
240tacaggagcc tgcacacaaa cacacgtgca tgcatacaca cgtacacaaa catgcacaca
300cacatgggcc aggcgtggtg gctcacgcct gtaatccag cactttggga ggccaaggag
360ggtggatcac gaggc

375

<210> 3021<211> 384<212> DNA<213> Homo sapien

ggcacgagac ctgaaagag agtgcaatga agaactttgc aattatgagg aagccagaga
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120aaccacaaaa tcagatggca acagagagaa aatagatgtt atgggccttc tgactggatt
180aattgctgct ggagtatttt tggttatttt tggattactt ggctactatc tttgtatcac
240taagtgtaat aggtacaac atccatgctc ttcagccgtc tatgaaagg ggaggcacac
300tccctccatc attttcagaa gacctgagga ggctgccttg tctccattgc cgccttctgt
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384

<210> 3022<211> 401<212> DNA<213> Homo sapien

nnnnacgaga gaaaggatag gaaggaagca tgagagagaa tagggagaag tgaacagggg
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240gcaaccccta ccagggtgga cggctgaagt ctgtctgctg accactgtcc cagcagctgg
300ggcttgtag tccttccctca aagggggatc cagatggcat gtcacagtgt ctacctgaaa
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401

<210> 3023<211> 406<212> DNA<213> Homo sapien

ggcacgaggt ctctgcaaaa gaccctccg acccgagtgt tegtggaaact ggttccctgg
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120cacccctct cctcaacaca agcccaact gctaccgcg aggtgcaagt aagcggcacc
180tcaaaagtgt ctgcgggccc tgaccggctg cagggtggcg tgcagtgag cagcaccaag
240gaggcggcag ccgaggccaa aaagagcgtt tgtcggcggc tagattacat aacgcatagc

300ctccagcagc agggcggtgca ggcagaaaat ataactgtga caaaggactt taggagagtg
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406

<210> 3024<211> 399<212> DNA<213> Homo sapien

ggcacgaggt ctctgcaaaa gaccctccg acccgagtgt tctgtggaact ggttccctgg
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120caccctct cctcaacaca agcccaact gctaccgcg aggtgcaagt aaggggcacc
180tcaaaagtgt ctgcgggccc tgaccggcg caggtggtgg tgcgagtga cagaccaag
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300ctccagcagc agggcggtgca ggcagaaaat ataactgtga caaaggattt taggagagtg
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399

<210> 3025<211> 399<212> DNA<213> Homo sapien

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120cggtagttct gggcaagcag gtgctagtgg tgggtggtgt ggatgaggtc cagagcccgc
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240ctcaagcagc catgggggtt gcaactgtgg agagagatgg tatggtgtat gctctggggg
300gaatggggcc tgacacggcc cccagggcc aggtacgtgt gtatgagccc cgtcgggact
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399

<210> 3026<211> 407<212> DNA<213> Homo sapien

ggggccagcc cagcccttg agatgtcgag gttggcataa cacaagcca aaagagaaag
60aacatcctgg ccaacgtgga caaacccag ctaaaacgca aatgtaactg ggggtggagg
120tgcaagcctg gaaacccaat tgcttgatag gctgccgcta gagactcact tcaaccagc
180agggagcagga tgcgcagagc ttatatgtc cactgcact ccaacgtgag tgacagataa
240aacctcatct cctaaaaaat aataataata ttctagcatg tttatatgaa aataattgtg
300ctttccaaaa cagaaataaa aatagtga aatgtgtcat tgtttacat ctctatatca
360aatgtataga ctacaggtag atttccttat ctgcttctgc agtcatt

407

<210> 3027<211> 353<212> DNA<213> Homo sapien

tatcggtgc gagaagacga cagaagggtc cggctccgag aacacgacag aagggttaata
60tcaagctgta tttttttcaa aggtttttta aactttggag actctttctt ttgttaagca
120gttaaaggaa taaaagagct ggaaaaaaa ttgtacctc aactcagggt gttccatata
180acatacgtat tctctgctgt tacgtaagtt ttccgattca cagagtccat tcatgtacat
240cacttacact taaattgtaa aaataattag tctgaccatc tgactttaaa agactgttgc
300tacacgtaca tcatgtttag gagaatgtgg gatatggnga aggggagaag aag

353

<210> 3028<211> 340<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtac ggctccgaaa agacgacaga agggcattgg
60taaaaatagac aaaatggcta ctcttaatct accattctca ctgggttgtt gtgaggacac
120agataattaa gaaaaacata ataaatatcc aaattagaaa atggaaaagg ggccgtaacc
180ctactcctaa cctggtcatt ttaacctcct gtgccctcag tttcttcac tgataatgg
240acataggcct ggtgtggttg caagaagcag ctaaaaatca ggaaaaagaa catcatgtat
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340

<210> 3029<211> 417<212> DNA<213> Homo sapien

ctgtgttgag gctaattggc gtgcccacgg aactggatgg agggagtggt aaggagaccg
60cagcgggaaga ggaatcgca gttctggcac ctggcgccgc cccgttcgga aattttcctc
120attattctcg ctccaccct ccggagcaac ggctccgct cctgccccg gagctgcttc
180gacagctctt tcctgagagt cccgagaacg ggccgattct ggggctcgac gtggggtgta
240actccgggga tctgagtgtg gctctataca aacacttct ctccctacct gacggggaaa
300cctgtctcaga tgcctcaaga gaattccgtc tcctctgctg cgacatagat ccagtcctgg
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417

<210> 3030<211> 407<212> DNA<213> Homo sapien

cgttgctgtc gaaagactca gcccaagtat aggatgccct ttttcccttt gttttttttt
60ttttgaaaag ggagtttggg ttgccccca aaggtggaaa ggcagggcca gaatttgggt
120taactgaaat acccccctcc ttgattaagg aaattttctt gcttaaccct cccgggaagt
180gggaatggaa ggccccccc cccaccgg gtaatttttg gatttttaag aaaaaacggg
240ttttaacaat ttggcgcagg gtggttttaa acnatnaacc taagggaatt accttccttg
300gccctccaaa aggccgtgaa taaagggcgt aatgcccgcc cccaaacaaa aaaggggggt
360tttctaaata ccgggggggt ggggttttaa acaatacttt gacaaaa
407

<210> 3031<211> 423<212> DNA<213> Homo sapien

ggaaatttgg gaagaatcca agaagtata gccaatgaaa acaagttatt aatacaata
60gtactgtata tgagagtaca cattacgaat gctgtgcttt aatgcataaa catgtttaca
120gtggtccaca tgtgccagga gatgtgggaa tggctacccc tgaagtcata tggagaaatg
180gggtcctcat cgcacacccat acacaaacat catctcacia atggattaaa gacacttaag
240acctgaaacc aaaaaaactc ctaggagaaa acacagggga aagctccatg acatcagttt
300cgcgatgat ttttttttgg acatgacact aaaagaacaa gcaacaaaac taaaagtaaa
360caggtgggat tacattgaag taaaaagttt ctgcacaaca aaggaaacaa ccaacaaaat
420gag

423

<210> 3032<211> 410<212> DNA<213> Homo sapien

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60gacggtgtag tgagttccgg ctctactggg tccaattctg tcccattgtt cgttgcatgt
120gaacttttct ggatttcagt tctttcatcc ggggcctgcc ggtgccgtaa acggccattc
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300cgcttggtgc ggccgcggcc gggagggact ggattatgtc ggccccgttt gaagagcgga
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410

<210> 3033<211> 416<212> DNA<213> Homo sapien

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60tgggtccgtgc catctaaaag cgctgtgaca ctaccgca aggtcccggc tttattcctg
120agaccacgaa cccaccggca ggaaccaact ccagactact atgtgctaca gagaacttct
180tcaggccttg aaaatagaac atagtaaaaa gcggcttctt tgtccatgga tcagcagtc
240ctatttccca gtcgcctcc aagagctaac taaagtgcag cataaactgc atgcagcatt
300gttttcacca cagcaaaccc ttcgggtgct ctctagcgg cggtatggaga actagcattg
360cgcgagagca ggaatgggac acttgtgtgt aacaaaagat ggactgcgtc tggaag
416

<210> 3034<211> 431<212> DNA<213> Homo sapien

cgttgctgtc gaagactgag gtcgttgatt ctgatggatc agtgaaagac aaaatcacag
60cattcatagt agaaagagac ttggtggag tcaactatgg gaaacccgaa gataaattag
120gcattcgggg ctccaacact tgtgaagtcc attttgaaaa caccaagata cctgtggaaa
180acatccttgg agaggtcgga gatgagtta aggtggccat gaacatcctc aacagcggcc
240ggttcagcat gggcagcgtc gtggctgggc tgctcaagag attgattgaa atgactgctg
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431

<210> 3035<211> 335<212> DNA<213> Homo sapien

tacggctgctc agaagacgac agaaggggag gagacacaga acatggcggg agggatggca
60gtctaccctg tggaacgcg gaagtcacgc tgccgcaagg ggcgcatttg ggcccatag
120accccagaa gcaaatgata ggtaggcgga cttttccgc ttgcgcgcat actcagctac
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240gaagggcagg ggttctgtgc catangcggc cttctggtg cagaggacct tccccatcct
300ccatcatgtg agcagccaga gccgggcgct cgaan
335

<210> 3036<211> 408<212> DNA<213> Homo sapien

ggcacgaggc aactgcact ccagtccagt cacgggggtc tgggacctga gcggctacag

60caggcactga gccaggaaca catcctcgtt gccaggaac agacagtga caatcaggag
120gaagccgcct acatccaaga gatcaccacg gcagatggcc agaccgtaca gcacctggtg
180acctccgaca accagggtgag ctactagcta ctgttaatcc cctcagctgt gacctcctac
240cctcccaaag acctaccttg gggaggaaatg atactttcca aaccacccct cctgggggtcc
300atgcttgcca acaactgcat tgttgctggt ggctgttctt agtcttccac tctgccttct
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408

<210> 3037<211> 353<212> DNA<213> Homo sapien

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60acagagtcta ggactggcca tatagttaaa gaacctaccg tcaagcagga gtagtgtag
120aaattgcttg atggttgat tagcctgatt tcatgctgtg atacagacac accccagact
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240ctcaaatca tgggtgaagg ctaaaggata tcttcatg tagcagacaa gagagaatca
300ggaccaagca aaaagagttt ccccttgtaa agctatcaga tcttgtaga ctt

353

<210> 3038<211> 352<212> DNA<213> Homo sapien

tactgctgag agaagacgac agaagggtag ggctgcgaga agacgacaga aggggtgtaga
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120gaataacact tcgacctgcc tacaatctt caacagttaa ttccagctat tacctccttt
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240ctttcaatat tatctgtgca cctctggctc tagccactac caatttaaaa gctttttaga
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352

<210> 3039<211> 346<212> DNA<213> Homo sapien

tacggctgag agaagacgac agaagggtag ggctgcgaga agacgaccga agggacatgt
60aaacaataat ttggtgctcg gaaggtaggc gtcagccaag caaagcagga aggaaacgga
120ggagagggtg ccttgcttga atgggggcac cgcaggggtt ttcctgccct gtgcttcac
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240tttgcttccc cacactgact atattagagt cctcatttgc agagcagcac tgcaagctaa
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346

<210> 3040<211> 335<212> DNA<213> Homo sapien

tacggctgag agaagacgac agaagggggc ggcaccata atgatactat atgtgtccaa
60gctaaacaaa atcattcact tccctgattt tgataagaaa attcctgtaa aggttaagtaa
120tgaaaagtat gtatgactgt gatagaagat tgaaaatac acattgattt tagagtacag
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240tgagatggac tgctgctctg tcgcccaggc tggagtgcaa tgggtgtgac ttggctcact
300gcaatctccg cctcctgggt tcaagagatt ctgc

335

<210> 3041<211> 375<212> DNA<213> Homo sapien

cgttgctgct gctatggcat ctgcatgtgg cggaagttaa gcattaatgg attcaggggt
60tccaatttca tctgctgttg caggcgtagc aataggattg gtcacaaaaa ccgatcctga
120gaagggtgaa atagaagatt atcgtttgc gacagatatt ttgggaattg aagattacaa
180tggtgacatg gacttcaaaa tagctggcac taataaagga ataactgcat tacaggctga
240tattaaatta cctggaatac caataaaaaat tgtgatggag gctattcaac aagcttcagt
300ggcaaaaaag gagatattac agatcatgaa caaaactatt tcaaacctc gagcatctag
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375

<210> 3042<211> 389<212> DNA<213> Homo sapien

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60agcaagtttc cagggtgatgc tgtgttgct ggtctagaga ctattttgag aacctgtc
120caggagcgtg gttttctgat tgtgatctga ggtctgccc caactgcaca gcagtgggc
180tgcttgtaa aaatgcagggt gcagatcttg gtggtagtag caaatattca aacgagaact
240ttgaaggccg aagtggatca cttgagctca ggagttaag accagcttg gaaacatggc
300aaaaccgctc tttatgtgcc tggaatccca cctgctcagg tggctagggg ggtatggatc
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389

<210> 3043<211> 387<212> DNA<213> Homo sapien

ggcacgaggc aatgtgcagt acctgaaaag caggatatta tgaagaaact gaaggagatt
60gcattcccaa ggacagatga attgaaaaac gaccttttaa agaaatataa cgtagaatac
120caagaatatt tgcaaagcaa aaacaaatat aaagctgaaa ttctcaaaaa attggagcat
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300atgcgaagtc agcaaacctc aggggtgtca gagcagattg atgggagcgc ttgtcctgc
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387

<210> 3044<211> 373<212> DNA<213> Homo sapien

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120taaatcatat atcagtgaag aaatgtgatg ttgtcaacat cttctctggg gatgctaacc
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240gtgagaaatt ccaccataat ctacacacca taatatcatc aatgtgtcta gaagtcagat
300cctctatgtg tgaaccaaga caatgcctgg caaacaagac agctgggctc tcaggctctc
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373

<210> 3045<211> 379<212> DNA<213> Homo sapien

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60cctgtaatcc tagcattttg gacgctacgg cataagcatt gcttgaagcc aggagtgtga
120ggccggcttg ggaaacagtg aaatcctgtt tctacacaaa ataaaaaaaa ttagtttgct
180gtggtggtat gcatctgtag tcccagctac ttgggaggct gaggtgagag aatcacttga
240accagaagt tcaagactgc agtgaactat gatcgaacca ctgaacttca gcctgggcga
300cagtgaagcc cttctcaaa aaaaaaaaaa aaaaaaaaaa aaaaaggggg ccttttttc
360cctaaacca accttgaaa

379

<210> 3046<211> 410<212> DNA<213> Homo sapien

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60gccccgggta tttgggagat atttttgcag ccagtcaga ccgttaagct ccttgccaga
120taaaaaaaag gaactcctac agaatggacc agaccttcaa gatattgtat ctggtgatct
180tgacagacagg agcacctggg atgaatataa aggaaccta aaacgccaga aaggagaaa
240gttaagacta cctccatggc taaagacaga gattcccatg gggaaaaatt acaataaact
300gaaaaatact ttgcggaatt taaatctcca tacagtatgt gaggaagctc gatgtcccaa
360tattggagag cgttggggag gcggagaata tgccaccgcc acagccacga

410

<210> 3047<211> 396<212> DNA<213> Homo sapien

caaccgagat gaagggtgaag atgctgagcc ggaatccgga caattatgtc cgcgaaacca
60agttggactt acagagagtt ccaagaaact atgatcctgc ttacatcct tttgaggtcc
120cacgagaata tataagagct ttaaatgcta ccaaactgga acgagtattt gcaaaacat
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240agctggctac tgcctttct gggcggtgtg atggagaggt tagaatttgg aatctaactc
300agcgaattg tatccgtaca atacaagcac atgaaggctt tgtacgagga atatgtactc
360gcttttgtgg gacttctttt ttcactggtg gtgatg

396

<210> 3048<211> 358<212> DNA<213> Homo sapien

gcctacggct gtgagaagac gacagaaggg tacggctgcg agaagacgac agaagggtt
60ctcaattttc cttttgacgc aaaanttact cactcagttt ctaaagaaat attttttaa
120aagggttca gtatacgtta gttctctcat ctacacctgg ttgctcta atcggtgacatg
180aaatgcaggc tttttaccat cgtaagcagc actaatatga acttggaat atttttaaca
240cgcgaaaggc taacaagatg actcagcaat accaaagaca ggctggaatg tccgttacta
300acaaatactg aaaccctttt taataaatat ttatctagga actgagcgag aaattttt

358

<210> 3049<211> 413<212> DNA<213> Homo sapien

cgcacgagga agaaaaatgt ttgtaatcta ttcatttgat aaaagaccaa tattcaggat

60attcaagaaa cccaaacaat tcaacagtaa acaaataagc ccatgaaaaa gtaggcacac
120tttttctatt tacctccata aatagacaat tgtcaaagag agacttacaa atggccaaca
180cgaatatgaa aaaatactca atgttcccaa tcatcaggga aatgcaaatt ataaccacag
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300gctgatgagg aggtagagaa aaaggaactc ttgtgactg gttggtggaa atgtaaacca
360gtacagccac tgtggagaac aatatgaggt ttttcaaaaa actaaaactc atn

413

<210> 3050<211> 398<212> DNA<213> Homo sapien

ggcagcagac aaaatgaagc tttaaaacag ataaaagaaa tctacaattc cccatttaag
60taggctgtta aatccaacat ttaaaataaa aattaagcta tttcttttgg gtttcccaca
120ccacttttac ctgtactgat tttttttctt cttttttttt tttaaaaaaa cagggttttg
180ttttgtcact cccaacctgg agggcaggga cccaataata tttccttaca gectcaaatt
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300tggtgttga aaaatttttg cctacaggga gggaaactac taaagtctct ggggaacca
360agtaaaatct cttaaaaaca aaaggaggga agaggaga

398

<210> 3051<211> 340<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggggc cctcagtggg catgttccgg tctcccaggt
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180gccctctcct tctgtgcct tgagtggcag aggagccgtc cagccacacc agctttcctc
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340

<210> 3052<211> 383<212> DNA<213> Homo sapien

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240tattgaactg taatagtttt taaaaaata atcctaaata caagtctctt atcagataat
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383

<210> 3053<211> 415<212> DNA<213> Homo sapien

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415

<210> 3054<211> 421<212> DNA<213> Homo sapien

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420g

421

<210> 3055<211> 162<212> DNA<213> Homo sapien

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162

<210> 3056<211> 381<212> DNA<213> Homo sapien

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381

<210> 3057<211> 400<212> DNA<213> Homo sapien

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400

<210> 3058<211> 335<212> DNA<213> Homo sapien

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180tttaacttaa ttggctattc taaagagtcc cctcaccga atgtttgatc attggagccc
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335

<210> 3059<211> 387<212> DNA<213> Homo sapien

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387

<210> 3060<211> 395<212> DNA<213> Homo sapien

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395

<210> 3061<211> 399<212> DNA<213> Homo sapien

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120gtggaagaag ttcaaggacc tggagtagtt ggtgaatttc caatcatcat cccaggtcgg
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399

<210> 3062<211> 399<212> DNA<213> Homo sapien

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120tcaagagaaa aagaaaggac agttccatct attgatgttt gagaaatcaa atgagattag
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399
<210> 3063<211> 385<212> DNA<213> Homo sapien
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385
<210> 3064<211> 334<212> DNA<213> Homo sapien
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334
<210> 3065<211> 422<212> DNA<213> Homo sapien
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120taattctctac cttactact acaggcccta cctcaatat cataggcca gtccagacta
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240ttcaacgct tctgacttcc aggtgatgac tgggccccca ataaatcccg tctttgggtc
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420aa
422
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420n
421
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398
<210> 3068<211> 421<212> DNA<213> Homo sapien
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120gtgactgagg agatgctatg ggagtgaag cagcttgggg ctactcccc ctccaccttg
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240atgaagctgg ccttctccaa ggtcttgca cagacaaaga agaaccctc taatcccaag
300gataaaagca cgagtatccg gtacttgaag gcccttggaa tacaccacac tggccagaaa
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420t

421

<210> 3069<211> 386<212> DNA<213> Homo sapien

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60aactttatgc agccttatta tctatggtga ttggcgctcc tgaagagag gagtggggag
120ggagatggaa taggaaaaat acttgaagac ataatggcca aagattttct gaataata
180aaaactaagt ccacagatcc aagatgctca acaaaccctg agtatgagaa atatgaagaa
240aaatgatgcca aggctcatca taacttgctg gaaaccagtg ttaaaaagaa aatcttaaat
300gcaaccaggg gagaggatag ttacttgca tggaaacaaag acgaagtga cattacactt
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386

<210> 3070<211> 415<212> DNA<213> Homo sapien

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120ttcaaaagac agattgttat attggatcag aaaacaagat ccagttatat gcagcctata
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415

<210> 3071<211> 411<212> DNA<213> Homo sapien

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120gatgatggat ggcccagtgct ctggaggaca gtagcacttt gtccttaata gggattttag
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240aatgtgtgta cttcttaggt taacctgccc ttcgtcacct catgaaaagt aagacagact
300taggtggctg acttttgagg gttttttttg ttatatttgc tttcattata gatcagaac
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411

<210> 3072<211> 406<212> DNA<213> Homo sapien

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60agctacagct aggactcgtt tgggtggggg tttttagttt gtctttctaa agtcatgtgg
120accttaattt aattacaaaa gtctaccctg gtggtcatga aataggcagg cctatgaaga
180aaggcctttt actcttccag catgcaagct cagaaccaac acattactct ctgtgcctaa
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406

<210> 3073<211> 409<212> DNA<213> Homo sapien

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120gaagcctcag accagatcgg gaggccacac gcagctcatg gggacagagg gccagggtg
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409

<210> 3074<211> 406<212> DNA<213> Homo sapien

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406

<210> 3075<211> 399<212> DNA<213> Homo sapien

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240cttcaatggc agttggcaac actcattttg ggaggaggag gctataacct tgccaacacg
300gctcgatgct ggacatactt gaccggggtc atcctagggg aaacactatc ctctgagatc
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399

<210> 3076<211> 425<212> DNA<213> Homo sapien

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425

<210> 3077<211> 404<212> DNA<213> Homo sapien

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404

<210> 3078<211> 376<212> DNA<213> Homo sapien

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376

<210> 3079<211> 326<212> DNA<213> Homo sapien

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326

<210> 3080<211> 393<212> DNA<213> Homo sapien

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360taatgagaac tttctgctgg cacgcgctat ggg

393

<210> 3081<211> 390<212> DNA<213> Homo sapien

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390

<210> 3082<211> 349<212> DNA<213> Homo sapien

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60aaggcaacga aagataagct ctatttagca acttcgtgat gctatctggt ttattgggaa
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349

<210> 3083<211> 410<212> DNA<213> Homo sapien

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410

<210> 3084<211> 390<212> DNA<213> Homo sapien

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390

<210> 3085<211> 424<212> DNA<213> Homo sapien

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424

<210> 3086<211> 395<212> DNA<213> Homo sapien

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395

<210> 3087<211> 423<212> DNA<213> Homo sapien

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423

<210> 3088<211> 409<212> DNA<213> Homo sapien

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240gcaggttggtc agtcgtcagc aagctggcaa tgagaaggct ccgaactgat gaatggaaac
300ctgctgagct ggagggcgct aggtgacct tgccgagcat ctctgacagc aatcggcaca
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409

<210> 3089<211> 417<212> DNA<213> Homo sapien

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417

<210> 3090<211> 337<212> DNA<213> Homo sapien

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337

<210> 3091<211> 375<212> DNA<213> Homo sapien

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375

<210> 3092<211> 428<212> DNA<213> Homo sapien

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428

<210> 3093<211> 384<212> DNA<213> Homo sapien
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240aattcacct gctgagcaga tatcccaagg agcatgtgct attttaagat ccccttgggt
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384
<210> 3094<211> 345<212> DNA<213> Homo sapien
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345
<210> 3095<211> 425<212> DNA<213> Homo sapien
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425
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402
<210> 3097<211> 386<212> DNA<213> Homo sapien
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386
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407
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426

<210> 3100<211> 375<212> DNA<213> Homo sapien

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300aaaatgcagg tttatgaatg atgtggactt ttagaggatc aaatcaataa attggatttt
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375

<210> 3101<211> 388<212> DNA<213> Homo sapien

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120cccaagaaac acaaagaagc aaaaacaaaa cgaaacaaaa aacacacaaa caaatgaaac
180gaaacacaac acttccaaat gaacataata attctcctgt tacagaccct aaagaaaaga
240aaatctatga aatactaaga agaacttgaa aataatgac ttaaggaaac tcagtaagat
300ataagagaat acagaataac aattcaacaa aatcagaaaa acaatttcta aactgaaaga
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388

<210> 3102<211> 417<212> DNA<213> Homo sapien

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120tgttttccaa ggtacaggat gccgcgcctc ctaggagccg aagggacggg agggcgcgta
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417

<210> 3103<211> 340<212> DNA<213> Homo sapien

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60ggctgcgaga agacgacaga aggggaattat gtaacatttc tgtacacagt acatcagtgg
120acttaattag ggtgcctcct acctcttaca caaatgaaat gctttgtgac aggtattctt
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240gattgcaaaa ggagcaccag ataagggagg tgttaccatg ctgtgcagca gaagaaggct
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340

<210> 3104<211> 351<212> DNA<213> Homo sapien

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120ttacaacctg ctttctctgc tgaagcetta cctcctcttc agtttccctc ctgacacaaa
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240tttactcatt ttgcctttta atctttttat cctttttggt gaagggttcc ctttaggaaa
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351

<210> 3105<211> 342<212> DNA<213> Homo sapien

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342

<210> 3106<211> 395<212> DNA<213> Homo sapien

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120gtttcccggtt ttcaaggat tctccggcct cagcctccca agtagctggt tttataggag
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395

<210> 3107<211> 160<212> DNA<213> Homo sapien

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160

<210> 3108<211> 422<212> DNA<213> Homo sapien

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360tttgggatgt ggagacaggg aattgcattc acacgttaac agggcaccag tcgttaacaa
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422

<210> 3109<211> 154<212> DNA<213> Homo sapien

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60gtttttgacc caagaagatg cagcagctgc tggggatgc agaccagccc ctgaccctgg
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154

<210> 3110<211> 351<212> DNA<213> Homo sapien

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351

<210> 3111<211> 391<212> DNA<213> Homo sapien

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391

<210> 3112<211> 396<212> DNA<213> Homo sapien

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396

<210> 3113<211> 179<212> DNA<213> Homo sapien

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179

<210> 3114<211> 352<212> DNA<213> Homo sapien

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352

<210> 3115<211> 333<212> DNA<213> Homo sapien

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120aggaatccta attaagccaa tcaggttaatt tcattctgct ctgtcagtga ctggccatga
180ggacagatgg gaaaatctag aagcttctgg aaatatgttt ctctcttcta caccttctac
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333

<210> 3116<211> 346<212> DNA<213> Homo sapien

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180ttttgttttt ttctaggaac actatgacca gccagccaat gctgtaggtt tctgtgaatc
240agactattca gattattgct ttgactttgc cgtccattat ggtaaccata actactttat
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346

<210> 3117<211> 343<212> DNA<213> Homo sapien

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343

<210> 3118<211> 403<212> DNA<213> Homo sapien

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403

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357

<210> 3120<211> 404<212> DNA<213> Homo sapien

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404

<210> 3121<211> 372<212> DNA<213> Homo sapien

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372

<210> 3122<211> 387<212> DNA<213> Homo sapien

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387

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342

<210> 3124<211> 338<212> DNA<213> Homo sapien

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338

<210> 3125<211> 393<212> DNA<213> Homo sapien

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393

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325

<210> 3127<211> 325<212> DNA<213> Homo sapien

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325

<210> 3128<211> 375<212> DNA<213> Homo sapien

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375

<210> 3129<211> 377<212> DNA<213> Homo sapien

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377

<210> 3130<211> 337<212> DNA<213> Homo sapien

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337

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336

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379

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338
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334
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344
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353
<210> 3137<211> 384<212> DNA<213> Homo sapien
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384
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403
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402
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372
<210> 3333<211> 436<212> DNA<213> Homo sapien
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436
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377
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421
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344

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375

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373

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374

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372

<210> 3151<211> 381<212> DNA<213> Homo sapien

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381

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180gtacggctgc gagaagacga cagaagggtta cggctgagc aagacgacag aagggtacgg

240ctgctagaag acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga
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360gacagaaggg tacggctgcg agaagacgac agaag

395

<210> 3153<211> 374<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggtagggc
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120aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg
180acagaagggt acggctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa
240gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac agaagggtga
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360gatgcgtgca tttta

374

<210> 3154<211> 375<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggtagggc
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120gcctgcggag ctaacagacc agcttatata gggcctgtgt gtgaagtggg agagttcgga
180gttttctctg aatttcaatg agggagaagg aaggtagcat taaaggctat taaccaataa
240gacaccaaga ttcaatttat gttttagatc attctggaag tgctatgtag agcaagttag
300aggagagcca gactagcagc agagacttcc cagcagagtt gggaaagtgc tacagtaatc
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375

<210> 3155<211> 410<212> DNA<213> Homo sapien

ggcacgaggc tcacagaggc agccacgagg ctctacacca agtattatat aaaagccatt
60aaatttgaat gcccttggac aagcttttct taaaaaaaaa aaagggtgaat atacttgta
120aaaaattttaa ttaaaatcca aattttttgg gtgaagcccc aggcagcatg tggggccatg
180caccatttat acttaatat tggggagggg aaaggggaat tttcaaggta tatataattt
240atccctgcct atatttagaa atatgccttt acctttaaca aggctaaaat tgctcggtgg
300attatttcac aaaatacgt agggggaggc agtaatacta tgtaagcta ttaatagatg
360ctaaaagtct ccaagcacag ggcataattt atacggctct tttcaaatg

410

<210> 3156<211> 376<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggtagggc
60tgcgagaaga cgacagaagg gtagtaaggg gaagctggaa gactcagcca gtctagcctt
120tccacattcc attagcagct gattagatgg gccacccag actgaggggtg gtctacctcc
180ccagtcact gactcaaatg ttaactcctt tggcaacacc ctcatatata caccaggaa
240caatactttg catccttcaa tccaatcaag ttgatactca gtattaacat ttcgaggcta
300caccctagac caaacctacg ccaaaatcca tttactatc atattcatcg gcgtaaatct
360aactttcttc ccacaa

376

<210> 3157<211> 411<212> DNA<213> Homo sapien

gcgttgggag ccagggtgctg tgccggacgt gcttggagca gcggctgcag ggcgaggtgg
60tagccgttga ctaccaatcc aaaatgctgg ctttaaatg tccctcttcc agtggaagc
120ccaaccatgc agacatcttg ctcataaact tacagtatgt ttcagaagtg gaaataatta
180atgaccgaac agaaaccct cctcccctag cttactcaa tgtagtaag cttgccagca
240aagcacggac agagaaggag gagaagctga gccaggccta tgcaatcagt gctggtgtct
300ctctagaggg ccagcagctc ttccagacca ttcacaagac cattaagac tgtaaatggc
360aagaaaaaaa catcgtagtc atgggagaag ttgttattac acccccatat n

411

<210> 3158<211> 384<212> DNA<213> Homo sapien

cgltgctgtc ggccgccgcc gccgcgttgg cctcgccgcc cctgctcgga caccatgcc
60caaggagagt gatctcttcc cctgttttca caatggagga ctccggaaag actttcagct
120ccgaggagga agaagctaac tattggaaag atctggcgat gacctacaaa cagagggcag
180aaaatacgca agaggaactc cgagaattcc aggaggggaag ccgagaatat gaagctgaat
240tggagacgca gctgcaacaa attgaaacca ggaacagaga cctcctgtcc gaaaataacc
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360accggcagat ctcagccttg gagg

384

<210> 3159<211> 439<212> DNA<213> Homo sapien

gcggatccca tcgattcaat tccgacgagc cggcgagcag tccgctacgg tttctccagc
60ccttcttttga gacggggacc aggggatggc agccatgcac ctgacagcct ggccccagga
120acctattgtt tcagaagtcg gtgacctttg aggacgtggc tgtgtacttc acccaggcgg
180aatgggatgg cctgtcccct gcacagagga ccctgtacag ggatgtgatg ctggagaatt
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300agggaggaag tgagctgggg ggctcatctc cactggctgc aggaacaggc ctccagggcc
360tccagactgt agatattcag actgacaatg atttgacaaa ggaaatgtat gaaggaaaag
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439

<210> 3160<211> 373<212> DNA<213> Homo sapien

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60tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtg cggctgcgag
120aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg
180acagaagggg actcctgctc agcatggctg ctttagggac tgttctcttc acaggtgtcc
240ggaggctgca ctgcagcgtg gccgcttggg cggggcgcca gtggcgacta cagcagggac
300tggtgcccac cccctccggc tacgggcccc ttaccgagct ccagactgg gcatatgagg
360atggccgccc tgn

373

<210> 3161<211> 369<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtac ggctgcgagg agacgactga agggtagcggc
60tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtg cggctgcgag
120aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg
180acagaagggt acggctgcca gaagacgaca gaagggtacg gctgcyagaa gacgacagaa
240gggtacgcct gcgagcagac gacagaaggg ggagcctcat ctgcaatgta ggggccggcg
300gacctgctcc agcagctggg gctgcaccag caggagggtc tgccccctcc actgctgctg
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369

<210> 3162<211> 421<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gatctagttt cgagagcagg cttttttttt tttttttttt
60aacctcggca aaaaattttt ttgaaaaaac ccccttaat tggctactgg gggatttaat
120tcccgggatt tttgggacgc ctttggcttg aaagggggaa aagttttaa attttgaacc
180aaacctgggg cctattttga aaatcaggcc cttggggcaa aacagaaaaa atcttttgcc
240ccccaggatc cgggattccc tggggaaaaa aaaatcaggg aaaaaaaccc ccccttcag
300ggaaggtctt tgtacaaaag ggaaaggttt aaaaaaaagg gcgggggaaa aaaaaacgga
360ggagggacga ggtttcagga aaatgccagg gaagggaagg cccctggaaa aaacctttt
420a

421

<210> 3163<211> 398<212> DNA<213> Homo sapien

ggagaaaggt gggcatagta caacccccag gactgtgcct tccccaggac accctcatcc
60ccccagtcg gatatcttg ctgactgggt cacccttctt cacaggacac acacacaggg
120ccatgaaaac ggccttcttc aaagatccca cggctcgggc ctcccttccg gggccacctt
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240aggaacccca aggtcagggc accgtctacc ctggctcagc tcgtcacca ccgtctgaag
300cccccttctc caccaaaggt tcggagctgg cggngggctg aggtgttcac gaacagtccc
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398

<210> 3164<211> 396<212> DNA<213> Homo sapien

gacctgtct gccattcatg tgcaccatac tataactgc aggattcccc tggtagggca
60actgctgctg ggaaaaggag ctgtaagtaa acaaatggta atattacctc tggagtcac
120tttagcgaca aaggcatgc ccacagaaat tactacaatt gtgtcaaaca ttgctatact
180taagctggga atgttagaga aaactccctg acagcctgtg atccattttt cacagctttc
240tgtactagac accctaata atagtgtcgt gcttgaagga ctctcaaaat ggacaagcca
300aatcacacct tctaataatga acccagtcct ttcaacctct ccatccaaaa aggcttgact

360gaaaaatata ttaagttctt ggacttctgg gactag

396

<210> 3165<211> 408<212> DNA<213> Homo sapien

ggcacgaggt gatccaccac ctccggcctcc caaagtgttg agatgacagg cacgagccac
60caggccccagc ctgagtggta ttttcttttag ggaccaggta gactttaaaa cgagggttaag
120agaaaagcca gtgtctttct gaggtaaata atttctgccca ggaaacttcc cagccccacc
180agcagccacc ctaaaaaaaa tcaactcgtgt cccagggac ttctaaagct tggggctcca
240ggaaatcatc cagtagagtt ggagattcag agatttcttg aagccagggga catgctccta
300actcctttcc cattaaaggt gttagaatag accagagggg gtcccttttc cacagtaatg
360ggatcggtg gtgtgccttc agggaggaag agggaggtgg tcaagctt

408

<210> 3166<211> 457<212> DNA<213> Homo sapien

tgtaggatcc catcgactcg aattccgttg ctgtcgacct gcttctgggt cggtgttttg
60tacgtagcac agcaactccc tcgtcgcat ctattgaaag tcagccctcg acacaagggg
120ttgtccgaca gcaacggtgg aataatatat accatgctta cgctagtcaa gagaaagcta
180agtagaaat actaatatca ggcaaaagcat atttcagagt taaacacaac atttttccac
240tatttgagc caaaagtatc gagaacactc tctttactct gtcaaaagtt acagagttct
300tttgataaaa cattagaaca cttatcacag cctgccataa atggagaata attccatgtt
360gtatactata caacactctt actaaagtcc attagacaga aatatgtagc atttgagaca
420ccttccaatt ataaaactct atgcagacaa aaattaa

457

<210> 3167<211> 397<212> DNA<213> Homo sapien

gctgctcttg acctctgctc tgcggctgtt ttccattgga gtagaggctc ctccgtctct
60gtcttgctg tggagggaag caaaccttcc cctggaccag agagaggaga aagcggagac
120aggttagcaac gctgtggact ggtgatgaca ggctcttcag ctccctgcaa gtgaccgggc
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240agccccgtgt gttcaagctg gttctctctg gaagtggctc cgtgggtaag tccagcttgg
300ctcttcggta cgtgaagaac gacttcaaga gtatcctgcc tacggtgggc tgtgcgttct
360tcacaaaagg ggtggatgtg ggtgccacct ctctgag

397

<210> 3168<211> 334<212> DNA<213> Homo sapien

tacggctcgc agaagacgac agaagggtgg gcttgacatg atatttatta tggtatgata
60tattcctttt atacttaatt tgttgagagt tgctttttaa ttatgaaagg ttatgaactt
120gttttattat tagttttgtc aaaggctctt tctacatcta ttcaactgat catatgattt
180tatctttcat tttgttaatg tgctatatca tttttataaa ttgcatatg ttgaaacagt
240cttgcatatc agagataaat ccaatttgat catgngtat gatcctttta atgtgctgtt
300aaattcagct tgataatatt ttgttaacaa ttgt

334

<210> 3169<211> 387<212> DNA<213> Homo sapien

ggcacgaggc gccgtctccc aggagcagct gcgcaaactg caggaacggg tggaaacgctg
60tgccaaggag gccgagaaga caaaagctca gtatgagcag acgctggcag agctgcacg
120ctacactcca cgctacatgg aggacatgga acaggccttt gagacctgcc aggcccgga
180gcgccagcgg cttcttttct tcaaggatat gctgctcacc ttacaccagc acctggacct
240ttccagcagt gagaagtcc atgaactcca ccgtgacttg caccagggca ttgaggcagc
300cagtgcagaa aaggatctgc gctgggtggc cagcaccac gggccaggca tggccatgaa
360ctggccacag ttcgaggagt ggtcctn

387

<210> 3170<211> 408<212> DNA<213> Homo sapien

ggcacgaggt ttgcttagct gtcaacaaaa agaaaacctg aaggagcatt tggaaagtaa
60tttgaggggt ttttttttgt tttttttt tgggagggg gaacggcccc caaaaggggg
120gggggggcaa aatttttaag aaaaaagaac ctcccggtt ttttttttaa gccacaaagg
180ggctgggttt ttccaccgg cggttttaatt tttaaaaaaa tttaaaaaaa caaaacaaag
240gggggttttt ctaatttggg gaggaacccc cccttggctc aaaagaaaaa ggcgttaaaa
300aagaattcca aaaggaaaac cttggggggg gcccaacggg ccccggtgcc aataaacttt
360tttctgggga acgggagggg gagaacctcc ccccccttcc caaggcgc

408

<210> 3171<211> 405<212> DNA<213> Homo sapien

attcgaattc cgttgctgtc gggtgttttg ttttgtttt agagacaggg tcttgctctg
60tcacccagac tggagtacaa tgacacaatc atagctcact gcagccttta actactgggc
120tcaagacatc ctctgtcttc agcctccaga gagtgggac cataggtgca caccaccaca
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300caccctgccc cagtacaatc ttttttgaac tcaaattttt gctgacatct gagtgcacac
360accacagtgt aaattatgcc ttatcagaat ctaaatgaaa atagg

405

<210> 3172<211> 400<212> DNA<213> Homo sapien

cgttgctgtc gacgacctgc ttctgggtct gggtttcgta cgtagcagag cagctccctc
60gtgcatct attgaaagac agcctcgcac acaagggttt ggacactttt aagaacaaa
120gatagttttc tgaacattct gtgtcctgcc tgtctcctgt tgattcgcag atgtaatatc
180gagtattcat caactggtct caatttctctg aacacattca ctgtatccct cattgtaacc
240gttatcccc tgcttcaaaa tgtgccagtt ccacttggtg ataacgttgg gaaaatgcag
300gtttatgaat gatgtggact tttagaggat caaatcaata aattggattt tttatttttt
360gaggggcagct gccctcactt gtttaaataa agaactctac

400

<210> 3173<211> 478<212> DNA<213> Homo sapien

gcaggaatcc ccacgannt tcgaattccg ggcgctcgtc gagtccatta tatacantgt
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120tactaggggtg tggacataac ccgcaactcta gtaatgcgat cgccttataa ctgctcctat
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240agcaaacatt tctagggttag acaaccaacg aattgaatta caattttatg ttgaagaggc
300attattaaca tgtgtagagg ggttaagaaa gccaccttgt tacaaatttt ttaatttcca
360aaataatcta tattaaatga gggtttctga tctgtacttt gtgttttagct acctttttat
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478

<210> 3174<211> 412<212> DNA<213> Homo sapien

atcgattcga attccgttgc tgtcggctga ttctcttcgc ctatcggtga ctgggctttc
60cctatgttgc ccagggtgct ctcagactcc tgggctcaaa agatcctcat cttctcaagt
120ggctgaatat acacgctcca gcgaccatgc ctggctgaat gaagagcttt gagattttga
180agaaacagga accatgaaat ttgctttgca actgtttgca acctttaagg aagactgaaa
240aggcattcct gaagcatgtg ccttcagccg ctacaagagc agaagcagtg ggcattggat
300ggagctgagt acaggaccat acaggctaatt tgcaccggca caggaatcgg atataacatt
360atctgggtac ccattggccag ctgtgacttc tccatccgca cctacaccta tg

412

<210> 3175<211> 171<212> DNA<213> Homo sapien

taacgcatga ngcatacaca cgggctgttg actggtgggg gctgggtgtg ctgctctacg
60agatgctggg gggtagtgcc cgttcccag gggacacaga ggaagaggtg tttgactgca
120tcgcaacatg gacgccccct accccggctt tctgtcgggt caagggcttg a

171

<210> 3176<211> 384<212> DNA<213> Homo sapien

ggcacgagct attgagtgtc attcagaata ggaacaagg tctaatagaa aaagatggca
60atttgaagta gctataaaat tagactaatc tacattgctt ttctcctgca gagtctaata
120cctttttatgc tttgataatt agcagtttgt ctacttggtc actaggaatg aaactacatg
180gtaaataggct taacagggtgt aatagccac ttactcctga atctttaagc atttgtgcat
240ttgaaaaatg cttttcgcga tcttctgtct gggattacag gcatgagcca ctgtgcctga
300cctcccatat gtaaaagtgt ctaaagggtt ttttttggtt ataaaaggaa aatttttgc
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384

<210> 3177<211> 393<212> DNA<213> Homo sapien

cgttgctgtc ggcaagatgc tgctattgaa gaggtagaga tggaagattt tgatgcaaat
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120attccgaaaa gcaaatggga gatggacaca tctgaggcaa agctagacaa gttggatggc
180ttgaggactg gtactaaaag gaaacgtgac tgggaggcca ttgccagcag aatggaggat

240tatcttcagc tccccgatga ttatgatact cgtgcttctg agcctgggaa gaagaggggtc
300agatgggcag acctggaaga gaagaaggat gcagatagga aaagggccat aggttttgtg
360gtcggacaga ctgattgtga gaagatcaca gat

393

<210> 3178<211> 389<212> DNA<213> Homo sapien

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120cgatttatta accttcagcc ttcgacactg accgataagt ggtatggaga atctcagaaa
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240gaaatagact ctttctacg aaaccgttca agttctgacc atgaagctac agccatgatg
300aaagctcagt ttatgagtct ctgggatgga ttggatactg atcacagctg ccaggtcata
360gtaatgggag ctaccaatcg tctcagga

389

<210> 3179<211> 426<212> DNA<213> Homo sapien

ggcacgaggg cggagggtgc agtgagccga gatcatgccca ttgcactcca gcctgggtga
60cagagtgaga ctctgtctca aaaaaaaaaa aaaaaaaaaag ggggttccca tattttgggg
120ggtataggaa tatatggggg ggggtctatt tcttttttta tataaccttc cccccgggat
180ttttggggtt aaaagtccg gttaccccca aaccaaaatg ggttttttac ctttggagtt
240tttttttttg tccccctttt tcttttccaa gggggaaagc ccccaatac cagggtcttt
300aggagggggg gtttagccaa acccacccca gggcaaattt ttggggggaa acctgaaagg
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420tttaaa

426

<210> 3180<211> 383<212> DNA<213> Homo sapien

cgatgctgac ggcccgttgt ccccgagtc cccgacggga gcgccatggc ccagccgccg
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120gctgcgggac aaagtggcct tcatcacagg aggcggctct gggattgggt tccggattgc
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240ccgggcccctg ctggatgccc gacccttgga aagatgttgg tgggaggtag atgtcccctg
300ctcacctacc cgacaggatc caggtgctg ccagagggac tggggagcgg tcgaggattg
360ccctggggga gtcaggactt caa

383

<210> 3181<211> 372<212> DNA<213> Homo sapien

cgttgctgtc ggagatttgc ttattattgt tgtactgctg ccatttttat tgggtgttga
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120ttttgcatat taaaaattc agtattaatt aaacattact tattctaccc tcttttttgg
180caaggaggac aaatacgcga tggtggaaaa ccttggtatg atatcttctc tttaaaaaaa
240tgtaaagata atttggtctt gagggtttaa acggttgata atgcctctac aacaacaaga
300aaaaagataa aatactagga tagaatcatg gtgggcacag tggcttctca ngaggctgag
360gaggggaggt tg

372

<210> 3182<211> 372<212> DNA<213> Homo sapien

ggcacgagat taacctcaga aatcctgtct ggctggcaga ttcaagtaa aaaaaaaaaa
60aggggggggtg ggggggaccc ttttttttct agtggccttt agggaaaaaa aatttaactt
120tttttttgggt tgggcccata tttttaagaa aaaatctcca attggtttcc cttttgaacc
180gggtaaaggc taatacttgc cacttttaaa ggagggggggg aaaacccccg ggtttttttt
240ttaaaaggaaa ccccttgttg gggggcgccc cccttaaggg gggggggggg gtttttttct
300tggccccttt tggggatatc aggggtactt ttgcaaacct tccggggggg tttaatggga
360aaccactacc cg

372

<210> 3183<211> 389<212> DNA<213> Homo sapien

ggcacgaggg aggatgtcct caacaccag tgtggctacc acgttcggct caaactggag
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120caggacaacc tgaatgtggt ggcgggagtc ttcatgggca tcgccctcct ccagatcttt
180ggcatctgcc tggccagaa ccttgggagt gacatcaagg cagtgaagc caactggagc
240aaatggaatg atgactatga aaaccactgt gttacgccca ccatttgcga ggtcctgtcc

300acgggtggggc ctcaacagaa ctctctgact ggggcccctg gcccggaacc acccagacga
360catgttttct ttggcctggg tggatatag
389

<210> 3184<211> 451<212> DNA<213> Homo sapien

ngacatcctt tacggccant cgnntttttn tgaggaaccc atgcgatgcg aattccgttg
60ctgtcggaaa atcagaaaaga gtttttattt tactagtgat ttacaagtat gccctggaca
120gagtttcaaa acaagatgcc caggaactct ttaaaaatta taccatcttt gagaagaagt
180ttggtgatag gcgggggtatt gaagatatca ttgtgagcaa acggagattc cagtacgaag
240aagaagtgaa ggcgaatcca cacaattatg atgcatggtt tgattacttg cgcttggtag
300aaagtgcgc agaagctgaa gccgtgagag aagtctatga aaggggccatt gccaatgtcc
360cacccattca ggagaagagg cactggaagc gctacattta tctttggatc aactatgcac
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451

<210> 3185<211> 409<212> DNA<213> Homo sapien

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120ccaaatcaca tcccaatgat caactccatg tgtcaggagt ttttttggcc tggcattgac
180ctgtctgagt gtctgcagta cccagacttc agtgatggtg ctctttataa aaaagtcac
240attgcctttg gcttcatggc tcctgatgtg aaatacaatg aagcttacat ttcatttttg
300ttcgtccacc ctgaatggag aagagcaggg attgcaactt tcatgatcta tcatctgatt
360cagacctgca tgggcaagga cgtaaccctt cacgtatgac caagcaacg
409

<210> 3186<211> 396<212> DNA<213> Homo sapien

ggcacgaggt gactctaggt ataggagtgt ccaggccctg ctcaccagc ctagagctta
60tggagccaga aggaaggagg tgcagtgttg ggtgcaggac aggagggaaa aatactcgaa
120ttgcaaggtg agggcacagt ctgtttatat tgggttgaat taactcttct cccgatgcca
180ctaaagcagg aatcacactg cagatggcac tgatttgatt ggcaagagac atgccaggaa
240gaatattaag ggaccaggcc cctataatta ggctaataca tagcctgttg tttgaaaagg
300gcatgaggga cattcatccg gcctggcact gtgccctaga cctgctctcc tgggtagtgg
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396

<210> 3187<211> 412<212> DNA<213> Homo sapien

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60tttttaaaac tcctggctaa aaccccccca ctttaaccc caaaaaaat taattacaac
120cggggcccct tggcccaaaa atggccttaa cccctaaaaa tggaaaattt ttgtcctaaa
180gaaccccccc cccgggaaaa aacggggggc cttttttttt gcaaaagggg tttaatccgg
240accacttgt tttttgcaag gccggcttgc gtttgcccat tggggaattg gggggaaatt
300gcccttgtct tgtttggaag ggggggggtt atttccttgg gaaataaagg gtggtttctt
360tttttataaa aaaaacttgt tggaaaacaa acctttttat attaaacttg an
412

<210> 3188<211> 404<212> DNA<213> Homo sapien

ggcacgagga gagagagcgc gagagagagc gcgtgaggca gagagagaga gagagcgaga
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120gagagagaga gagagagatg gagcgatgga ctgtgacagc ctacaggagg aaaagcacgg
180cttacagaag gatgtttcct tcttgaggaa gcagcactat tagcactctg agtcaagatg
240agtgggaaac catctcaata aacacatttt ggataaaaaa aaaaaaaaaa aaaaccggct
300ctcgccctt taaaactatg gggggccttt ttccttttat ccgggggggg ggaaaccttt
360gttgggttgg cccacccctt ttttaatggc cgggaaaaat agtt
404

<210> 3189<211> 334<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggac cagcaaaaga aggaggagct gctgaatgcc
60atggtggcaa aactggggaa ccgggaggac ccactcccc aggactcctt tgaaggcgtg
120gacgaggacg agtgggacta gcctgcgccc ccgtcacctc cacctcacct gtgctgccac
180ttcctagtgc acacctcacg gctcactctc aagctggaag atacctctct ggcctcggca
240catgtcacc ctgactcct gccttcccg gggcacttcc acatcctctg ggcctctggc
300agtcccagg gactgttttc acctctgctg tctn

334

<210> 3190<211> 393<212> DNA<213> Homo sapien

ggcacgagaa aaagcagagt ctgctctact ggccatcatg cgtaaagggg tgctgaagga
60cccagagatt gccgatctat tctacaaaga tgatcctgag gaacttttta ttggtttgca
120tgaaattgga catggaagtt ttggagcagt ttattttgct acaaagctc acaccaatga
180ggtggtggca attaagaaga tgcctatag tgggaagcag acccatgagt tggatgga
240atattgctta ggctcagcct ctgatttatt agaagttcat aaaaaaccac ttcaggaagt
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393

<210> 3191<211> 385<212> DNA<213> Homo sapien

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60gagcaactat cagattattc ctttcagtgg ttcttatggc atctaaatta ctgaataaat
120tattaatcca ttaatcagtg aatcaaatta tgattacaat tatcaaata atgctcagca
180ttaattgaaa actgttttgt gaaacatgtc taccagaaa agtagcattc tataataact
240attaaacaac ttagctatat ttttttaag tattaaatta tatgtcaagc agctaaagt
300aatttcagag taaaagtaag gcatgtttct gagcaacatt gataatttct taatttgcaa
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385

<210> 3192<211> 397<212> DNA<213> Homo sapien

cgcgggcctc actgctatgg gccgcaacaa gaagaagaag cgagatgggtg acgaccggcg
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120caagcgggaag gtcgagcga agaaggcagc cattgaggag attaagcagc ggctgaaaga
180ggagcagagg aagcttcggg aggagcgcca ccaggaatac ttgaagatgc tggcagagag
240agaagaggct ctggaggagg cagatgagct ggaccggttg gtgacagcaa agacggagtc
300ggtgcagtat gaccacccca accacacagt caccgtgacc accatcagtg acctggacct
360ctcggggggcc cggtgctcg ggctgacccc acctgag

397

<210> 3193<211> 395<212> DNA<213> Homo sapien

ggcacgagac cgagctcaca ctgcagagat tcctcacttg agcttgcaat gagggacagc
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120tgcatgttgg gcacgcgcaa aaccattcat tagtgtttct tttctctcga ccacatgaaa
180cgatgcacac agaacataag ccgtatgaat gtaacgttta tgggaaaaca ttcagtttgc
240ccagtttatt tcatagacat gaaaggactc aactggagg aaaaacctat gaatcgggc
300agtgtggcag atccttcaac tgttgagct gctttcgata tcatggtggg actcacactg
360gagagaaacc ctatgaatgc aagcaatgtg gaaan

395

<210> 3194<211> 352<212> DNA<213> Homo sapien

tactgctgcg agaagacgac agaagggtag ggctgcgata agacgacaga aggggagggt
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120agcaaggcct actgctcta tagattccac ctctgggggc aaggcatatc tgaacaaaag
180gtagcagaca gcttctccag acttaaatgt cctgcctga aagctctgaa gagagcagt
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352

<210> 3195<211> 394<212> DNA<213> Homo sapien

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120caggacaacc tgattgtggt ggcgggagtc ttcattggga tgcctcctc ccagatcttt
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240atattggaatg atgactttga aaaccactgg ctacgccc ccatttccga ggtcctgtcc
300acggcggggc ctacgaaaa ctctctgact ggggcccctg gcccgcccc acccagccga
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394

<210> 3196<211> 374<212> DNA<213> Homo sapien

ggcacgagga gagagatatt gaacaaaatt ttcgcagcat agcggctcgc tatggaacac

60atgttaggaac tctgaagttg gaatagattc gactgcatta aatgttggcg agagactctc
120tttgatacat taataaaact gcttgcataa gcagttctat ggaagacact ggtgtaatta
180tggccggcgc acttgtaacc gttttaatgg tacatattct tgatcttcca ctttttctt
240tggttctttt ttcctttttt aggaaaaaca aaacaacaca cttcttctt atgttttctc
300aagattcaag tgaacacatt tacacatatt aattccttaa agaaccctaa acgtttctc
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374

<210> 3197<211> 401<212> DNA<213> Homo sapien

cgttgctgtc gagaattcgg aagaagccgg gacccaagcc cggatggaag aagaagcttc
60gttgtagag ggaggagctt cccaccatct acaagtgtcc ttaccagggc tgcacggccg
120tgtaccgagg cgctgacggc atgaagaagc acatcaagga gcaccacgag gaggtccggg
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240gccacgtgaa gctcatccac acagaggtgc ggaactatat ctgtgacgaa tgtggacaaa
300ccttcaagca gcggaagcac cttctcgtcc accaaatgcg acattcggga gccaaagcctt
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401

<210> 3198<211> 392<212> DNA<213> Homo sapien

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60taaattgatg gagcgtacc ttaaggataa gaccgtgatg ataactgtag caatcagccc
120caaatacaaa caggacgtgg aaggcgtga gtcgcanctg gacgaggatg agcatggctt
180acataactaag tacattcatc gaatgatgca gattgagttc ataaaaaag gaagcatgaa
240tttcagattc atccctgtgc tcttcccaaa tgctaagaag gagcatgtgc ccacctggct
300tcagaacact catgtctaca gctggcccaa gaataaaaaa aacatcctgc tgcggtgtc
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392

<210> 3199<211> 134<212> DNA<213> Homo sapien

nnnnnnnnnn cctnnccacc caccctgaa aaagcacanc aaaaccacac gctgctggcg
60gagctgcggc tgctgaggca aaggaaggat gaactggagc agaggatgtc gggcctgcaa
120aagagcagc gggc

134

<210> 3200<211> 393<212> DNA<213> Homo sapien

ggcacgagcc ggaacacgct gtcctcgcgc ttccttcggg tggacatcga cgaatttgac
60gagaacaaat ttgtggacga gcaggaggag gcggcggcgg cggcggcggg gccaggcccc
120gaccgagcg aggtggacgg gctcctgcgg caaggggaca tgcttcgggc attccatgca
180gccttgcgga actctccgt caacaccaag aatcaagctg tgaaggagcg agcccagggc
240gtggtgctga aagtgtcac aaacttcaag agcagtgaga ttgagcaggc tgtgcagtca
300ctggacagaa acggcgttga cttgttaag aagtacattt ataaaggctt tgagaagccc
360acagaaaata gcagcgcagt gttactccag tgg

393

<210> 3201<211> 452<212> DNA<213> Homo sapien

cgttgctgtc ggatgttcac caatgtcagc aagaactcaa cctgaattta aaggtggcat
60tccatatact aacatcccc aggtcctctc aagtacttct gctgaaacaa atttatttgg
120ctaggcacta agttgttttc cagtgaatag taactaaaga agcccctacc ttgctccatg
180gattaattcc ttctgttcat tttccaactg cactaattgt gcatattact ctgcctaate
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420atntcatttt caagcagact tgatgtgact tt

452

<210> 3202<211> 403<212> DNA<213> Homo sapien

ggcacgaggt cttttttggg cgatgagtat caatacaaat ggattttgtg agtgactcat
60gaagtgaaga atgcaccaga gtggatcaca agatggaatt tagccaaccc tagccttgc
120tgtaaaaatt tttttttttt ttttaaaaat aactgcccgg gtactgactt tgctggcttg
180gaacatctct tttttttttt ttttttctg actaaggctt ttgatgatc tgaattagaa
240agacaaggca tatcttgcc gaagctttta ttttttaaa aaagcctgtc ttcgggactg
300aaacacccaa tccgcaacat catccaagag tacggcctgg actaccgctt ggatcctctg

360gtccagcttt tctgctcaaa cgagatctcc agaatatggg ctg

403

<210> 3203<211> 404<212> DNA<213> Homo sapien

ggcacgagca tgggttccct cccctcagat tcttttgagc caaagaggaa acttccagct
60gggtgcttgcg tgtcttctgt gtgcgtgaat tatgaatctt ttgaagttgg cgccggacag
120gattctggtg cttacaactc attagattct gaccacaga tattctttgc cttggggctt
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300gaacctatga ttgttccaga tttggacctt taagctggtc tcattccaca tcacaaaggc
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404

<210> 3204<211> 378<212> DNA<213> Homo sapien

cgttgctgtc gcattgatga tcattgctga gatccacact ataattaggg gcggcagaac
60agggtgtttt ctaattctgc tatcccttgg gcatttgta gttggaattc ttctataaaa
120acataggccg ggtacagtgg ctcacgcttg taatcctagc acttctggag gccaaaggcag
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240actaaaagta caaaaattag ccaggcatgg tggcacacgc ctgtagtccc agctaccag
300gaagctgagg caggagaatc gcttgaaccc aggagacaga ggctgcagtg agccaagatc
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378

<210> 3205<211> 419<212> DNA<213> Homo sapien

ggcacgaggt ttaaggagaa gcctgaggcc ccgactgagc agctggatgt cgcgtgccc
60caggaaaact tgccggtggg cgcgtggccc ccgggggccc cgccggcgcc cttccagaaa
120agtgcgaacat cagttgtgga aatgagaagg aaccacagcat gtgtggctca gccccttctg
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240aaaattcgagc aattttctta ttcgagtcca aaatgggtcg taaagcagca gaaacaactc
300gcaaacatcaa caatgcattt ggcccaggaa ctgctaacga acgtacagtg cagtgggtgt
360tcaagaagtt ttgcaaagga gatgagagcc ttgaagatga ggagcgtagt ggccggcca

419

<210> 3206<211> 409<212> DNA<213> Homo sapien

ggcacgagag atggagagag cgttccagac agctctgtgg ttgctgcagc cggaagtcgt
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300caacagcgtg gcgctgaacg gggatggctg tggcatctgc tctgaaacag aagcagagct
360cattgaagtt tctcacagac tgaactgtct ccgagagctg ctgtggtgg

409

<210> 3207<211> 390<212> DNA<213> Homo sapien

ggcgcgacgt ctgctctgac acttttgatt tggaggaata tgacgacggc gagaagcccc
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120aattgcccac gaggccccgg gaccggctcc gtgtgattga tgctgccaaa catgcccata
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240gacagtacag gaagaaatgt gcaacgtgtg gactgccgct cttctaccaa tcccagccaa
300agaatgtctc tgttaccttc attgaggatg gagcagtaat caagtttggc cacggttttg
360ggaaaacgaa catatatact cagaaacaaa

390

<210> 3208<211> 350<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggagac aaaaagaaga aagataagaa gaaaaagaaa
60ggagaaaagg aagaaaaaga gaaagagaag aaaaagagg acctagcaaa gccactgtta
120aaagctatgca agaagctctg gctaagctta aagaggaaga agaaagacag aagagagaag
180aggaagaacg tataaaacgg cttgaagaat tagaagccaa gcgtaaaaga gaggaacgat
240tggaacaaga aaaaaagaga aaggaaaagg cccaaggaaa aagaaagaaa agaacgcttg
300aaaaaaagaa gggaaacttt taactaaatc ccagagagaa gccagagcca

350

<210> 3209<211> 341<212> DNA<213> Homo sapien

tactgctgcg agaagacgac agaagggaca atacaatgga aaaatgcata gaaaaacagg
60aaagattttg tcaactaaaa aaacaaagta tgttgcttca acagcaactg gatgatgctc
120gcaacaaagc tgacaatcaa gaaaaagcaa tacttaatat tcaagccaga tgtgatgcta
180gagtacaaaa ccttcaagct gagtgcagaa agcacctct tttactagaa gaagacaata
240aaatgttggc caatgaactg aatcattcga aagaaaaaga atgccaatat gaaaaagaga
300aagcagaaag agaagtagct gtgagacagc ttcaacaaaa n

341

<210> 3210<211> 380<212> DNA<213> Homo sapien

ggcacgaggg aaggattaga agatattgac gaagaagggg atgaggatga aggtgaagaa
60gatgaagatg atgatgaagg ggaggaagga gaggaggatg aaggagaaga tgactaaata
120gaacactgat ggattccaac cttccttttt ttaaattttc tccagtcctt gggagcaagt
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380

<210> 3211<211> 406<212> DNA<213> Homo sapien

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120tgtctgccta gtttattgtc cagttaactt tagtgacctt taaaagtgtg gcattgtaaa
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240gggcgttttc ttaaaactca accttaaaaa aaccttttga ggggttgggc caccaccaat
300ttaagggggg ggaaaaaatg ggtttttttg ggaatttgg ggggcttttg gttttttttg
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406

<210> 3212<211> 391<212> DNA<213> Homo sapien

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120ccagcccagg atttgtgagg gacagttct gcgactacat gtttcaacaa gcagtgaaga
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391

<210> 3213<211> 388<212> DNA<213> Homo sapien

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120tgtctcacat tcctggttct ttcaaagaac tttttttata acttggctctg tttatttcta
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388

<210> 3214<211> 340<212> DNA<213> Homo sapien

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120gctggatctc tgctctgggt gtgccgaagg gcaacacagc agtatacgcg ctcagtctgc
180tgccgcctt gctcttctt ggcattgctg tgctaggaat tgtcatgctg aaacgggtga
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340

<210> 3215<211> 369<212> DNA<213> Homo sapien

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120attaactgtg aacagcagat taatttataa ccaattgatg ttgccactga tgaaataaaa
180gataaaactg cagagctgca aaagctttgc tcctctactg acgtggacat gattcagctc

240caactttaa at tgcagggctg tgtttctgtg cagggtcaatg ctgggtccatt agcatatgca
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369

<210> 3216<211> 384<212> DNA<213> Homo sapien

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120gtattacaca atgataaaga ggtcagttct ccaaaaaaac atgtctttaa tgtgtatatt
180cttaacaata agcatcaaaa tatctgagga aaaaactgat acaactgcaa ggagaaatag
240atgaatccac tatttatagt tgaagtcttc agcactccta tcagtaatgg acagatgtag
300caggcaaaaa atcaccaagg atatagctga agtgaacagg atcattaatc aactaaatct
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384

<210> 3217<211> 387<212> DNA<213> Homo sapien

cgttgctgtc gcagatattt caaaaaagtt catgtctttt tatctttgaa atatctattt
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240ggttctgatt tccctcttaca gataggctca ccttatcttc caaggctcac cttatcttcc
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360ggagtaggat gcatacctga ggggctc

387

<210> 3218<211> 383<212> DNA<213> Homo sapien

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120gttccggaga agcaaaaact gttccaggta ctgaagtatt ttataggaga tgttacttgg
180aattattaga ttaccaaaag gtaagagttg ggataaaca gcatgtgtat aaattagatc
240atatgacaat ataaacatta caaaaaaggt caaggacatg taccatagtg ctaatagtg
300ttgtctcttg gggaaagacc tgggtggagc gagcaattta cctttataag tagtttgatt
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383

<210> 3219<211> 412<212> DNA<213> Homo sapien

ggcagcaggt cacagacaaa aacttcagct caaggcattg gatgtggttt tgtttggacc
60tctaacacgc ccacctcata actggatgaa agattttatc ctacacagtt ctatagtaat
120tggtgttggg ggctgctggg ttgcttatac gcagaataag acatcaaaag aacatgttgc
180aaaaatgatg aaagatttag agagcttaca aactgcagag caaagtctaa tggacttaca
240agagaggcct gaaaaggcac aggaagaaaa cagaaatgtt gctgtagaaa agcaaaattt
300agagcgcaaa atgatggatg aaatcaatta tgcaaggag gaggcttgtc ggctgagaga
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412

<210> 3220<211> 133<212> DNA<213> Homo sapien

antnnnnnnn cntgctgngg tggcggtcac tccctctgcc actatcccca gggaaggaaa
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120agagaactcg ttc

133

<210> 3221<211> 170<212> DNA<213> Homo sapien

tgtcacgggg actgatcagg aagatatatt cctgcataac tcaatctgaa ccaaggattg
60tagtttagtt ttccctcctt ccttcccttc tgtgtgaccg accccttggc caaaaaaac
120caaaaggcaa aaaacaaaag cctaccctgt tctgggtttt ttccctcctt

170

<210> 3222<211> 417<212> DNA<213> Homo sapien

ctcggcacga gggacagtgg aggtgttat cttttgttga aagcactgca tgtaagagg
60gggcacagcc ctccctccaa gggaaagtgt ctttgcataa aatgtatttt ttacttttg
120gaggattcct tttgtataac ttcaataaag attgtaagca aagggtgagg ctttcatggg
180ttttttctta attattggct gaatctgcct tggagcactg cctgggtttt atattaacc
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300aacgcggagg tgatcaagtg tgggtgtagg ccccttgttt ccaatgggtgc tatattctgg
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417

<210> 3223<211> 396<212> DNA<213> Homo sapien

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60ttcctaggtg ggggccataa gaccagataa gccagtttac cagtctgggt gtctccagca
120ggctcttcag tatgcagggt ctgaaaaata cctcaaacac caatcttagg ttttacaata
180gtaatgttat ctgtaggagc aagtggggga ggtagtgat attgtggcct ctggctacat
240gacttctgag ccataatttc taatctagtg gctaatttgt tggttttaca aacgcagtct
300ggttcccaag caaggaggga gtttgtttca gggagagtct attaccgtct ttgtttggtt
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396

<210> 3224<211> 407<212> DNA<213> Homo sapien

ggcacgagtt ggggtgggtac ttgggtgagg atccctgaag gccttcaacc cgagaaaaca
60aaccaggtt ggcactgca acaggaactt ggagtggaga ggaaaagcat cagaaagagg
120cagaccatcc accaggcctt tgagaaaggg tagaattctg gctggttagag caggtgagat
180gggacattcc aaagaacagc ctgagccaag gcctcgtggg agtaagaatc tatcaagaat
240tgaggaagaa tgggtgtggga gagggatgat gaagagagag agggcctgct ggagagcata
300gggtctggaa caccaggctg aggtcctgat cagcttcaag gagtatgcag ggagctgggc
360ttccagaaaa tgaacacagc agttctgcag aggacgggag gctggaa

407

<210> 3225<211> 382<212> DNA<213> Homo sapien

cgttgctgtc ggcaggacc ttgggtgggt gccttttctt gtcaggaggc ccggagagcc
60tggctggatc gtcattgcaa ccttgatgaa gctgtggagg agtgtgtgag gaccaggcga
120aggaaggtgc aggagctcca gtctctaggc tttgggcctg aggaggggtc tctccaggca
180ttgttccagc acggaggtga tgtgtcacgg gccctgactg agctacagcg ccaacgccta
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382

<210> 3226<211> 427<212> DNA<213> Homo sapien

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60aggaagaaga tttggatgac attttaagga aaagattgaa ggactcaagt gaaatacctg
120gtgctctgtg gcatattatg ctgggaaaga tgttgacaag ataagggaat ttcttcaaaa
180gatttcaaaa gaacaaggcc ttgaagtctt accagaacat gatccaatac gtgaccaaaag
240ttggtatgtg aacaaaaagc tccgtcaaaag gctgcttgaa gaatatggag tcagaacctg
300tactcttatt cagttccttg gtgatgctat tgttttgcca gcgggagcac ttcacaggt
360tcagaatttt cacagctgta ttcaggtaac tgaagatttt gtgtctccag aacatcttgt
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427

<210> 3227<211> 398<212> DNA<213> Homo sapien

cccgcctgca ccaggtgaa ataaacagcc ttgttctca cacaaagcct gtttgggtgt
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120aggagaccag tcccctgtcc tcaccctcac tccgtgagga aatccaccta tgaccttggg
180tctctagacc aaccagccca aggaacatct caccgatttt aaatcagatc tacttggcct
240agctgctgaa gactgatgct gactgatccc ctgagaagcc ccagaccat cacggacacc
300aagctttggg taactcttac agtggaggga aggcaggaat gtcaggcctc tgagcacagc
360taagctgtca tatcccctgt gacctgcacg aatacatc

398

<210> 3228<211> 422<212> DNA<213> Homo sapien

cacacatcct ttttgcctac aaatttccta gcttgtgacc attctccacc atctcccccc
60aagttttacc attctctatt tgtgccctac aacggctcca cctttgaaa taacgcctgg
120tctaaatggt actttttcta gtggccttc cttgattatc catccactg tgattccttt
180tcttgcccat agcctctccg acaagccttg cattctcatt catatgacct tgtttgcaa
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300agatcatttt tttatataga cttcagccct ttgtaaatat tgtaactggg gagtatagag

360tacaaaaaaa gtatagttaa aacatttgtt ctacaaatta acctttataa atataattac
420tg

422

<210> 3229<211> 413<212> DNA<213> Homo sapien

ggcacgaggc agagtccatc acttcgccag gtggacatgc tgtgggtgga tgttccccgc
60gtgtgccggg cctgaatgga caggggccac ttcacagcat gtcagggaaa atcactgtca
120cacaattcca atggattttg tgcctttttt tttcaaaaag agcacacaat ccattggaac
180tgagtgtctt ttctgaaaaa taaaaaatct ttagcgtaaa cctgaatttt ttttcaatgt
240atcccctggg gaatgaatga aattttgagc tttttcctta cgtaaaacta aatttatacc
300actgacggag agaccctttt tgaaagaagt atggccaaaa ccactttaat gctgctgaca
360atgctgtctt atgtccattt gtgcagccct gacctgctaa ggagcgaatc ttt

413

<210> 3230<211> 146<212> DNA<213> Homo sapien

gcattctttc tatccaaata aagccttctc ttgacctgat ctattaaaac ctgccacacc
60cgccctttcc tacctagatt taatgagccc aagtttttaa aatggaagaa atgactctgg
120ggcaaagacc cctaatgaac tagggg

146

<210> 3231<211> 380<212> DNA<213> Homo sapien

ggcacgaggc taaacctggg aacattttga atgtgggact aagagaggag ggctagattg
60ctctacaatg ctgcagaagt ttctacctgc ctggctggga ggtaggaggg tctggtttgg
120ggatgtggcc ctgaggagag gaccagtgtt tggcagtggc catgtattga tctcccagtt
180cttctgtgtg caggtccac gtacctcgga gatttatgtc caccgaagtg gtcgaactgc
240tcgagctacc aatgaaggcc tcagtctgat gctcattggg cctgaggatg tgatcaactt
300taagaagatt tacaaaacgc tcaagaaaga tgaggatatc ccactgttcc ccgtgcagac
360aaaatacatg gatgtggtcg

380

<210> 3232<211> 182<212> DNA<213> Homo sapien

agaacaagtg cttatagggt tgccaccatt gtgacagcag ttggcttctc caagggcctc
60tggatggaat gtgccacaca cagcacaggc atcaccagat gtgacatcta tagcaccctt
120ctgggcttgc cgccttgcac ccaggctgcc caggccatga tggtagacac cagtgaatc
180tn

182

<210> 3233<211> 396<212> DNA<213> Homo sapien

ggcacgaggg ataaggcagc tgctgcatca tcggcactac aagccaaatc atatgagaag
60gcggcggttg caggcaagaa gcctgtgctc gtcccccgcg gagtggccag gctacggcgg
120gcggcggaag gggcgccact cctcgccctt cctcaatgtg tcgggcagcc ccgcctcccc
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240ccggaggttg gctatgtgac caggcaacat gctgagccgg cttcaggaac tgcgcaagga
300ggaggagacg ctgctgcggt tgaaggcagc cctgcacgac cagctgaacc gcctcaaggt
360tgaagaatta gccctccaat caatgatcag ttctan

396

<210> 3234<211> 342<212> DNA<213> Homo sapien

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60aggattgctt gaggtagggc tggaagcttg aggcggcagt aagaagtgat cacactactg
120cactcttgcc tgaatgacag agcaagaccc tgtctaaaaa aaattttttt ttaagttggc
180tggcgtggtg gtcacacccc ataactctat cacttttaga ggtagaggtg gatgggtcac
240ttgaggtcag gaattcaaga ccagactggg ccgggcgcag tggctcacgc ctgtaactct
300aacacttttg gaggccgagg caggcgaatc acgaggtcag gg

342

<210> 3235<211> 377<212> DNA<213> Homo sapien

ggcacgaggc caccaacacc atttgtcttt ataattggacc tcaaggccta cgaacaggtg
60atgcactacc ccggctacgg atcccccatg cctggcagga tggccatggg cccgggtcacg
120aacaaaatcg gcctggacgc ctgcgccctg gacgcagata ccttctacta ccacgggggtg
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240tttccacccc gatcgaggac aagtgaagaa gcaagagggg gtcgagactt tggggagaca
300gtgctgcaca tacacaaggg ataataaata cataacacc tcaaccgaac accccaata

360cagaagactt attcacc

377

<210> 3236<211> 390<212> DNA<213> Homo sapien

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60cggcgagct tcagggcagc gcgggctgca gcggcggcgg cggtagggc tgtgtagggc
120gaggcctccc ccttctctct cgccatccta ctctccctc ctctcatcc tccccctcg
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240cgcccaggcc gccgcctgcc aggcgtgcgg gcgtcatggt gccggcgccc atccaagacc
300tgaggccct gcgcgcgctc acggcgctct tcaaagagca gcggaaccga gaaacagcac
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390

<210> 3237<211> 347<212> DNA<213> Homo sapien

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60tctgcactat agagcaaag catctaacag atatttacag aacatttcat ccaacagctg
120caaaatacac attctttttc tcaacacatg gatcattctc cagggtagac catatattag
180atcacaaaac aagtctaaca acattcaata aattgaaata atatcaagca tcttctctga
240ccacaatgga ataaaactag aatcaataa tgaggaaatt tggaaactat acaaatacat
300ggaaattaaa ctatatgctc ctgaatggcc agtgggtcaa tgaagaa

347

<210> 3238<211> 139<212> DNA<213> Homo sapien

gtctgagtca gagatctgtg cacactttct aaacagcttg tgatgcaagt gtgagcctat
60tgtgttactt gaccttattt tggaagtttt gaattggcct aggaggaaac ctagaatga
120accaggggta tgcatcac

139

<210> 3239<211> 399<212> DNA<213> Homo sapien

ggcacgagga tctggcacac tcaggctcat tggcaggtac aagaagggga ataaaggggc
60tgtgtgaagg cactgctggg agccattaga acacagatac aagagaagcc aggaggtcta
120tgatggcgac gattttttaa atcaggaaat aaaagatctt gactctaaaa gaaaaaaaaa
180aagaacgcgt cctagggctg gatggactaa tcaggtggaa tttctaaaat ccacttttg
240cagaccctct tgtcttgaat ctggcttttc acaacatgga gggggagaaa aagaagcttc
300tttctctgaa aagagggggg tttttgtttt tttagaaaac taggaggggg gggagcataa
360tggctcaaca gaagagtttt ttctttttat gttcctgtg

399

<210> 3240<211> 387<212> DNA<213> Homo sapien

gcaagaagcc cctgacccc ttgttccaaa tatactcttt tgtctttctc tttattccca
60cgttcgccct ttgttcagtc caatacaggg ttgtggggcc cttaacagt ccatattaat
120tggtatcatt atttctgttg tttttgtttt tgtttttgtt tttgttttg agacagagtc
180tctactctgc acccaggctg cagttcactg gtgtgatctc agctcactgc aacctctgcc
240tcccaggttc aagcacttct cgtacctcag actcccgaa agctgggatt acagacaggg
300accaccacac ccagctaatt tttgtatttt ttgtagagac ggggtttcgc caagttgacc
360agcccagttt caaactcctg acctcag

387

<210> 3241<211> 160<212> DNA<213> Homo sapien

ccctctagag gagcctgata tgcatttcca taaacccga taaacctcac cacctcttgc
60tcagcctata ttccgccatc tcagcatac cctgatgaag gctacaaagt aagcgcaagt
120acccacgtaa agacgttagg ttcagggtga tcctatgatg

160

<210> 3242<211> 379<212> DNA<213> Homo sapien

ggcacgagat cagccagccc ctgcagaaca gttcatcca cacagggcat ggcgacagt
60acccccgcc ctgctggggc ttcccggaac ggattgacga actgtatctg ggaaacccca
120tggaaccccc cgacctcctg agcgagaact actggtggcg tggccagaac acacggacgc
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240acatcagcca gcccttgcca cagaggggct gccctggcga tgggcccagag gcggggcggc
300cagcagacaa gatccagatg ctgcaggcca tgggtgatgg ggtgaccaca gaggagtgcc
360aggcgggcct gcagtgcct

379

<210> 3243<211> 462<212> DNA<213> Homo sapien
gcggtgctgt cgcttcaaga gcgttctgat gccccatgac ctcactc agctgtggcg
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120ggcgctgagc gggctggagg ccttctcttt cgactacatc ggcaagtggc ccctttcgct
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240cagaagcgag aactgtgcca cgcgggtggc acctcgtcgc acagaggacc caaggcggct
300ctccccagcc ttcagagtcc gggagattca cgggctgtcc gggggccacg gcgcggactg
360tggagtacag acgccgtgta cagcagccg tcggtcacgg aggccacct gaggtgccgc
420cacgtgtctg gcaggaaagc cctcactcgc taccagatgc tg
462

<210> 3244<211> 392<212> DNA<213> Homo sapien
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120ttatggcaaa cttgggagac aaggcaagtg ttctcacaga tgaaagacac tgatgtacaa
180agataagtaa cttaccaac atcacagtca accaggattt gaaccagat agtccacttc
240tccaaaatt tcattttctc accttggttc cgatactcaa aaagacgggg atcagcatga
300atgggaatga gccccagacg gtgagcaaga atctcatcct gaacaatgga tgtattattg
360tacaccagga ccttctccac agccatagtt gg
392

<210> 3245<211> 144<212> DNA<213> Homo sapien
atatgcannt cttctccacc taggaccgcc agcagagcgg ggggatctcc ctgccccac
60cccagttccc caaccactc ccttccaaca acaaccagct ccaactgact ctggtcttgg
120aggtgaggct tcccaaccac ggaa
144

<210> 3246<211> 433<212> DNA<213> Homo sapien
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300cacggctctt gccagaaggc tgcacgtaca acacacacag aggcgggcat ttccctgacc
360actcctgtgt gccgaggggg aacggtagat ggccaaccc ccagtgggtc gaactttctg
420gccaacata ttg
433

<210> 3247<211> 232<212> DNA<213> Homo sapien
ctcccccta cttaccaac cacaggattc agtgtatgtc acatgctcag gcggaggtgt
60ggaaacgtta cttccaactg ggaaactttt tgggggaaat taactggaca cctatctcgg
120aggtttatct tcttgcaacc agtgaagtgc tctcctccc ttccctggat aactcttcag
180tttgactgtc actgttctgg tgtcaactcc agcgtcggca caggcagaag gg
232

<210> 3248<211> 427<212> DNA<213> Homo sapien
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300cagcagattt tgcgccagaa ccggggccgc aaggcctgtg accggcttgg gccaaaacca
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420cttttgg
427

<210> 3249<211> 401<212> DNA<213> Homo sapien
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60caggtcaggc caagccgaga ggggtctccg tgaaacggcc ccggaagacg aaggcaattc
120agggccagaa actgcggaac tcggccaagg gaaaggtgcc caagtcggca ctggacgagt
180accggaagcg agagtgtcga gaccacctca gagtaaact gaagtttctg accaggacga
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300cctgtgaccg gcctgtggcc aagaccaaga agaagaaggc tgagggcacc gtgttcaccg
360aggaagactt ccagaagttc cagcaggaat acttcggcag c

401

<210> 3250<211> 145<212> DNA<213> Homo sapien

atagcncatc catcctggag tacctcaccg cagaggtact tgaactggca ggaaatgcat
60caaaagactt aaaggtagag cgtattaccc ctgctatctt gcaacttgct attcgtggag
120atgaagaatt ggattctctc atcag

145

<210> 3251<211> 388<212> DNA<213> Homo sapien

cgttgctgtc gggacagtgg ccgcaccaga caacctgccc aactacgaga acaccgtggt
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300ggccttcatg ctggagagcg tgctagacca gtgctctccc gectgcctgc gccgcctccg
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388

<210> 3252<211> 380<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggaca gtaagacatc agaaagtata tgtgagatca
60ataataattc cgaacatgga gccaaactaa ctacgcaaca agacattaga aaggacagta
120agacatcaga aagtatatgt gagatcaata ataattcaa acatggagcc aaaaacatgt
180ttgctatctc taaacaagga agtaatttgg tacaatcaa gcatttgaat ccaggcagca
240tttcagtgca gacatctttg acaaatactg cacaataga taagccaatg aagatggaga
300aaggggaaat gtatggaaat tctccaagat ttttaggtgc cacaatttg actatgtatt
360ctaagatctc anactgtcag

380

<210> 3253<211> 154<212> DNA<213> Homo sapien

aatgtttnc aacatccang ctgtgtccct caagatccag aactcaagt ccaacaactc
60gatggcaca gccatgaagg gtgtcaccaa ggccatgggc accatgaaca gacagctgaa
120ggtgcccaga tcaaaaagat catgatggag tttg

154

<210> 3254<211> 460<212> DNA<213> Homo sapien

cgttgctgtc gcttcaagat cgacctgatg ccccatgacc tcactactca gctcttgccg
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120gcgctgagcg gcctggaggc ctctctcttc gactacatcg tcaagtggcc cctttcgctc
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240agaagcgaga actgtgccac gcggtggcca cctcgtccca cagaggaccc aaggcggctc
300tccccagcct tcagtgtccg ggagattcac gggctgtccg ggggccacgg tgcggactgt
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460

<210> 3255<211> 382<212> DNA<213> Homo sapien

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180gttgaaatca aaatgtgggc tatcgttgt tttgccacac agaggcagtg cagagaagaa
240atattgaagg gtttcacaga ccagctgcgt aagatttcta aggatgcagg gatgccccatc
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382

<210> 3256<211> 431<212> DNA<213> Homo sapien

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180acctctggag gttgggggta cggggatagg tagggggtct gttgggtttt tgagataag
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300aatacatcca ttgttcagga tgagattctt gctcaccgtc tggggctcat tcccattcat
360gctgatcccc gtctttttga gtatcggaac caaggtgaga aaatgaaatt ttgggagaag
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431

<210> 3257<211> 424<212> DNA<213> Homo sapien

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120ttaccttctc attctttgta aatttctcat taaacattct aggaagagag atagctccct
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240tggttatttt tccttgggca ggtgccaaact atggctgtgg agaaggctct ggtgtacaat
300aatacatcca ttgttcagga tgagattctt gctcaccgtc tggggctcat tcccattcat
360gctgatcccc gtctttttga gtatcggaac caaggtgaga aaatgaattt ttgtgagaag
420tggc

424

<210> 3258<211> 399<212> DNA<213> Homo sapien

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120gtgacagcgt gagaggtact aggttttgac aagcttgcac catgcgtgag tataagctag
180tcgttcttgg ctccaggaggc gttggaaagt ctgctttgga gcaatttaca gcaatgaggg
240atttatacat gaaaaatgga caaggatttg cattagttaa ttccatcaca gcacagtcca
300catttatcga ttacgagac ctgagagaac agattcttcg agttaaagac actgatgatg
360ttccactgat tcttggctgc aataagtgtg atttgtaag

399

<210> 3259<211> 344<212> DNA<213> Homo sapien

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120caggaagact cctgctgtgt gatgactgtg acataagtta tcacacctac tgcctagacc
180ctccattgca gacagttccc aaaggaggct ggaagtgcga atgggtgtgt tgggtgcagc
240actgtggagc aacatctgca ggtctaagat gtgaatggca gaacaattac acacagtgcg
300ctccttgtgc aagcttatct tcctgtccag tctgctatcg aan

344

<210> 3260<211> 423<212> DNA<213> Homo sapien

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120attactatgc taagcgaggt ctaataactg gaaacagttg tatgagctgc agacatgcag
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240acacatgttt ctatatacac atacacatac atgcatacac caacagattt aatattatat
300tgcatttttc aacgatgcag aatgcagctg caattgtgtt ttaaggagaa gccacatggg
360gatgggtgtc cctgcaacat ggtgccactc ctgggccatg tgcagcctca gtggacactc
420ttg

423

<210> 3261<211> 382<212> DNA<213> Homo sapien

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60aaaaaaagga atgggtcccc ccacctccg gatttaaaaa aaaccctgg aatttttaat
120aaacattttt aaccacggg gattttttt ttaaccgggc ctttgggatt ccaaagttaa
180aaaggtaaaa agaaaaggct aacttttct ttttttggg gggggggggc cctgccaaaa
240atgtatttac tttggctcag gggctttatt ggagggccct ggccaccct tggaatggct
300gccacagta aaactttccc agaaaaattt cgtaacgggc ccagccctt tcataacccc
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382

<210> 3262<211> 381<212> DNA<213> Homo sapien

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120ggaaggaggc accgggaggg aatgggtggc actcccaagg aggggaccca gggatccgag
180aaagggaagac ttgggactgt ggtacagacc tccatgagcc ggtcccagg agccctgctg
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300acttctctgcc tctggggaga .ccccaatgtc acagacctgg ctggactcac ccctggcgac
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381

<210> 3263<211> 336<212> DNA<213> Homo sapien

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120aggaagtctc cacttccaag atctaggaag acggctacaa atgatgttgt atctgaaaat
180gctaattacc tgagaacacc aagaactctt gtggaacaga agcagaatcc tactgtaggg
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336

<210> 3264<211> 455<212> DNA<213> Homo sapien

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120caggccaccgg gagatccgta gctcagacgc caggacatcc cggaagctgg gaaatggtga
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300aacctggtct ctctgggtct cgctgtctct aagccggacc tgatcacctt tttggagcaa
360aggaagagc cctggaatgt gaagagtgc gagacagtag ccatccagcc agtcctgaa
420gagcaccatt ctgcctaag tttctatgag tttgg

455

<210> 3265<211> 165<212> DNA<213> Homo sapien

tgttgacagga tgcacagcag gaggatttcg gaatcttcca ggcctgggcc gaggccactg
60gtgcatatgt tcccgggagg gataagccag acctgccaac ctggaagagg aatttccgct
120ctgccctcaa ccgcaaagaa gggttgcgt tagcaaagga ccggt

165

<210> 3266<211> 148<212> DNA<213> Homo sapien

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148

<210> 3267<211> 386<212> DNA<213> Homo sapien

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60ccggcttggc aacatcaatg ccaaagccag ccaggcagga cagacggccc tgatgtggc
120cgtcagccac gggcggttg acgttgtcaa agccctgctg gcctgtgagg cagatgtcaa
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240gatcgcgggg ctgctgctgg ccgtgcccag ctgtgacatc tcactcacag atcgcgatgg
300gagcacagct ctgatggtgg ccttggacgc agggcagagt gagattgcgt ccatgctgta
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386

<210> 3268<211> 424<212> DNA<213> Homo sapien

ggcacgaggc agaccctcca cctctctgt tacatcccag agtccgggca gaatcagctg
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120ggtgccattt cagtaccaag ctttctgtct ccagggtcaag gaaccagcag cacaacact
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240aggaagggca cattcacaga tgacttgac aagtgtgtag acaattgggc ccgagatgcc
300atgaatctct caggcaggag aggaagcaaa gggcacatga attatgaggg ccttggaatg
360gcaaggaagt tctctgcacc tgggcaactg tgcattctca tgacctgaa cctgggtggc
420tctg

424

<210> 3269<211> 410<212> DNA<213> Homo sapien

cgttgtctgc gcacagatgc ccgcttacca ggagctggtg gaggaggcga ttgcctatgg
60ccggaagctg ggcgggtcac aagaggacca gattaataat gctattgata aactttttgt
120gttgtttgga gcagaaatac taaagaagat tccgggccga gtatccacag aagtagacgc
180aaggctctcc tttgataaag atgcgatggt ggccagagcc aggcggctca tcgagctcta
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300aatcaggct ggaaaggagc tcgaggagca gcacggcatc cactgcaaca tgacgttact
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410

<210> 3270<211> 389<212> DNA<213> Homo sapien

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120gccagctgat taacaccaac acaatcgcta atggcactca gcagcacgca cagagtatga
180ccaccactat taagtatgtg gtagagtaaa ttatgtatta tacacttgcg gggaaccaag
240atatgggata ctttggagtt gactattaat acctatgcct taagttaacc attttgattg
300caaatagagg acagatgact ttgttttatg gccagtatgt atttgcaata caataatata
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389

<210> 3271<211> 374<212> DNA<213> Homo sapien

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374

<210> 3272<211> 381<212> DNA<213> Homo sapien

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120ctgccggatc tggcgctac gaggacgtgg cgggtggagc tcagaccggt gggctaggtt
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381

<210> 3273<211> 290<212> DNA<213> Homo sapien

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60tctggggcggc tgtgggggga acaactgtgt gtgtgcttta catccatccc ctgaacctc
120agagctgact atcccagcct cggctaattgt attctacgcc atggatggag cttcacacga
180tttctcctctg cggcagcggc gaaggtcctc tactgctaca cctggcgtca ccagtggccc
240gtctgcctca ggaactcctc cgagtgaggg aggagggggc tcctttccct

290

<210> 3274<211> 382<212> DNA<213> Homo sapien

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60cacgaatgtt tgcttacttc cgacgcaacg cggccacgtg gaagaatgca gtgcgtcata
120atcttagtct tcacaagtgt tttgtgcgag tagaaaacgt taaaggggca gtatggacag
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240ttaaaaacat gcagagcagc cacgcctact gcacacctc caatgcagct ttacaggctt
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382

<210> 3275<211> 403<212> DNA<213> Homo sapien

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120agagagggga gaagaggcag gagctggaaa ggagagaggg aggaggagga ggagatgcgt
180gatggagacc tggagttagg tggcttggga gagcttaatg aatagagaac ggagaggagg
240tgtgggttag gaaccaagag gtagccctgg tggcagcaga aggctgagag gagtaggaa
300atcaggagct agaggagagc tggatggttc cgggaaatga gcagaggaaa gaggaaagac
360acagagagac gggagagaga agaatagtgg tttgtatgg cgg

403

<210> 3276<211> 405<212> DNA<213> Homo sapien

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300acaatcaagc tgggtgcagt ggctcacacc tgtaatcca gcattttggg aggtgagtg
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405

<210> 3277<211> 377<212> DNA<213> Homo sapien

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180ggattacagg catgagccac tgtgctggc ccttcctgt aaaattttta aatggagaat
240tgggtgcgag atgtggtttc cagcctgggtg cctgggggtg tgagctagt agtgggtcag
300tccaggacac ctttgcttta tgtcacttac acggtcacct ggagccggct caagtggcta
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377

<210> 3278<211> 384<212> DNA<213> Homo sapien

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120ttgatacatt aaaaaaactg tttgcagaag cagttctatg gaagagactg gaataattat
180ggccgtgtaa cgtgtaccgc cttaatggg aaatattctt gatcttcaac attgttctt
240ggttcttttt tcctttttta ggaaaaaaa aacaacagac ttcattctta gggtttctca
300agattttaagc gaacacattt acacatatca atttcttaaa gaacacagaa tgtttcctc
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384

<210> 3279<211> 181<212> DNA<213> Homo sapien

acccnnnnn nctgcctcac ctctctgggc cagtttccc atagtacagt ggtgctgcac
60accctggccc tggccccgag gtggctggga ggtggctct caaacggcg ctgtctcatc
120gagggccggg gatgcatcag ggatcgactg aggtctctgag ctaactggga aacacagtgg
180c

181

<210> 3280<211> 152<212> DNA<213> Homo sapien

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60aacaaggtaa tgattttagg atctagagtt tgtgaatgcg tgctctagaa naaacattcc
120tgtgcacatt gatagagctt ggagttgagg ct

152

<210> 3281<211> 189<212> DNA<213> Homo sapien

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120accctccact tccaagagtt agacaataaa agcctcatca agaaccatc ggagcgagct
180gacctgaag

189

<210> 3282<211> 392<212> DNA<213> Homo sapien

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120acagaagaga aagaagctgg gggctcagat gaggagcagg agaagggcag cagcagttag
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392

<210> 3283<211> 170<212> DNA<213> Homo sapien

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120ccgcacacat caaccgctgc cagggtgtgca tgaagaacct gtgagccgga

170
<210> 3284<211> 158<212> DNA<213> Homo sapien
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158
<210> 3285<211> 153<212> DNA<213> Homo sapien
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120agctgaattg caggatatga tcaatgaagt gga
153
<210> 3286<211> 350<212> DNA<213> Homo sapien
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350
<210> 3287<211> 162<212> DNA<213> Homo sapien
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120agagaaacc ctccttcttg gtccagactc tgggtggagt gt
162
<210> 3288<211> 184<212> DNA<213> Homo sapien
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120cttgaatgaa gagttgggtc agctgcttct catccgagat gagctgcaca cagagcanga
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184
<210> 3289<211> 188<212> DNA<213> Homo sapien
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188
<210> 3290<211> 383<212> DNA<213> Homo sapien
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383
<210> 3291<211> 158<212> DNA<213> Homo sapien
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120agactaacct ccaagtggct ttatggacgc tgcataatg
158
<210> 3292<211> 378<212> DNA<213> Homo sapien
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120gaaccctgag tgccgctatg tggccagcag ctccaaggat ggcagtgtgc ggaatctggga
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300gagagctcat gacggtgtgc tgtgccggac tctgcaaggc cacggccact ggggtgaacac
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378

<210> 3293<211> 342<212> DNA<213> Homo sapien

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180tgagtagcct gcaaggcgca tgatgaaaaa ccagggtgatg aggaaaaaac tcattttatt
240tttttaaaaga agaatcatg catgaaaaca aagggaacaa aaaatctgcc agcggttatga
300tcagctcatg gaggcaggg agaaaaaagt ggacagaata gn

342

<210> 3294<211> 396<212> DNA<213> Homo sapien

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120gagaaaaata ctgccaaacc caaatgaca taacaagtac catcaatggg tccagccatt
180gcctttggaa actatagacc tgggaattcaa agtggaggaa ccattgaaca aaaggctatt
240aagcggctac caggcctgaa ttttgatgat aatggaaaaa ggaacaacaa atttttgagg
300aggggaagaag atcagatttc aaacgaaaag gcacatactt gcctatgcta attataaaca
360caagctctac cgataaatac agacatgcca ccaaat

396

<210> 3295<211> 187<212> DNA<213> Homo sapien

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60atcgggtgctc aaccgcgtgc cgcagcccga ataccggcag ctgctggagg aagccatcat
120ggagctgacg ctgctctcgg acacggagat gaccagcatc gggggcatca tccacgtgga
180ccagatc

187

<210> 3296<211> 163<212> DNA<213> Homo sapien

aaccttcaac ctgcgcatca ncttcccgcg ggagtatccg ttcaagcctc ccatgatcaa
60attcacaacc aagatctacc accccaacgt ggacgagaac ggacagattt gctgcccac
120atcagcagtg agaactggaa gccttgccacc aagacttgcc aag

163

<210> 3297<211> 156<212> DNA<213> Homo sapien

cattgccatc caccgtggga tgccccaaga ggagaggcct tctcgggtatc agcagtttaa.
60agattttcaa cgacgaattc ttgtggctac caacctatct ggccgaggca tggacatcga
120gcgggtgaac attgctttta attatgacat gcctga

156

<210> 3298<211> 345<212> DNA<213> Homo sapien

tactgctgct agaagacgac agaaggggat agtgacgacc tcaagcggca gagtgtcttt
60ctggagcagc aagaccgtgc actggagaag gcgagggtcaa gtgcccact gcagaccaac
120taccctcct cagacaacag cctctacacc aacgccaagg gcagcaccat ctctgccttc
180gatgggggag gtgtgggagg ttttttatcc tttctccgta tgacttcaca ccagatgcta
240ctgcctctg gtacgaatt tctcatctcc tgacaatccg aaaatactat tagtttacc
300ccgtcagcta atcctttctt catcgagtgc cataccccca ctacg

345

<210> 3299<211> 422<212> DNA<213> Homo sapien

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120ccccggctac tacaccaggg ccaggttga cctggccttt gtcgtccgct acaagcctga
180tgagcagcac tttggccagt ggtctgtgtg cagcaacaag gacaaccact gccagcagc
240ctctgggacc tctgtgtccc agggaaccca gtccagactc ctggctgttg acttccatt
300gctcttgag ccaccaatca aagagattca aagagattcc tgacggccag aggcggaaca
360cacctttatg gctggagctc tccgtggtga tctggaccca gcctctggag acaccattca
420ct

422

<210> 3300<211> 182<212> DNA<213> Homo sapien

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60cacacatgag ctctaggaga gaaaactgag atcactgggg caatgaccat gacttctgtg
120gtcatcagtc catgaccctt ggagagaaag ccctgacccc tgtgggtatc aatctgtgac
180ca

182

<210> 3301<211> 391<212> DNA<213> Homo sapien

gatgggcagc tttccgactc ggattccgac atgacggctc caccagcga caggccgctg
60caattgccaa aagtgctagg tggcgacagt gctatgaggg cttccagaa cacggcaact
120gcatgtgcac cagtatcaca ttatcgagct gttgaaagtg tggattcaag tgaagaaagt
180ttttctgatt cagatgatga tagctgtctt tggaaacgca aacgacagaa atgttttaac
240cctcctccca aaccagagcc ttttcagttt ggccagagca gtcagaaacc acctgttgct
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391

<210> 3302<211> 380<212> DNA<213> Homo sapien

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60tttcctttct ctggactctg tgcagccctt gccctccctc ggggtgctgt gccctcaaaag
120gaggaactcg tggcgaggag tgtggaatta ttacctaag cctgacctt tgttagttg
180acagcattgc tttctgtgtt gccaatcttg gctcatacga gatgcatagg aatgagctcg
240agccttcttc cttttgttcc cgatatatt cttcctcttg ggaacatgag tccacttoga
300actgcttctt gtatgtttgt ccagctgtat tggcaacttc tgcataagga tcatgagtct
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380

<210> 3303<211> 175<212> DNA<213> Homo sapien

ggcacgaggc ttttgagacc agggttgtc tgtctgtgct ccgctcgcc atgacttctt
60acagctatcg ccagtcgtcg gccacgtcgt gcttcggagg cctgggcggc ggctccgtgc
120gttttgggcc gggggtcgcc ttctgcgcgc ccagcattca cgggggctcc ggcgg

175

<210> 3304<211> 356<212> DNA<213> Homo sapien

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60gtcaaatcct gatcctgtcc actcagagtt ctgaaggggg ccagatgttg ggtgcagatg
120tagaagcagc cagtcacaga cccattctat gcaatggaca tttatttgaa aaaaattctc
180aaaagttttt tttttttttt tggggggggg gggtttttaa gctgttttta cctccgagac
240tccactttta agggaccagc ggaattaagg catataaaat ttaccccccc aagattaaaa
300gcccaggaag aggttcaacc catgtgagaa ctgccctcct aggaaagggt ttaagg

356

<210> 3305<211> 170<212> DNA<213> Homo sapien

atggataaga acaagatggg cttgaaaggc cttttgaaga cccaatagc agccgggcac
60ccatctatga atttactgct gcgcagaaca tttgaccttt actcgaatgt ccgacctgt
120gtttctatcg aaggctatac aacccttacc accgatgtaa atattgtgag

170

<210> 3306<211> 413<212> DNA<213> Homo sapien

ggcacgagaa agctttcagg cagagctcag agctgattac tcacagaga atacatagtg
60gagagaaacc ctatgaatgt agtgaatgtg gaaaagcttt cagtttgagc tcaaacctta
120tcagacatca gagaattcat agtggggagg aaccttatca gtgtaatgaa tgtggcaaaa
180ctttcaaaag gagctcagcc cttgttcagc atcagagaat tcattctggg gatgaagctt
240atatatgtaa tgaatgtggg aaggctttca ggcacagatc ggtccttatg cgccatcaaa
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413

<210> 3307<211> 402<212> DNA<213> Homo sapien

ggcacgaggc aatgtcaagt ttgtccagga tacatccaag ttctggtaca agccacacct
60gtcccgtgac caagccattg cctgtctgaa ggacaaggac cctggggcct tctgatcag
120ggacagtcac tcattccaag gagcttatgg gctggccctc aagggtggca caccgccacc
180cagtgcacag ccctggaaag gggacccctg ggaacagctg gtccgccatt tcctcatcga
240gactggggcc aaaggggtga agatcaaggg ctgccccagt gagccctact ttggcagcct
300gtccgccttg gtctccagc actccatctc ccccatctcc ctgccctgct gcctgcgcac

360tcccagcaaa gatcctctgg aagagacccc agaggctcca gt

402

<210> 3308<211> 388<212> DNA<213> Homo sapien

cgttgctgtc ggaagcaatg aatagcatgg gaggatttgg aggagttggc cgaatgggag
60agctgtaccg tgggtgcgatg actagtagca tggagcgaga ttttggacgt ggtgatattg
120gaataaatcg aggccttggg gattcctttg gtagacttgg tgggtggaatg ggtagcatga
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240tgggaccagg tataggagct atactggaaa ggagcatcga tatggatcga ggatttttat
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388

<210> 3309<211> 387<212> DNA<213> Homo sapien

ggcacgaggg ccagcggtag caactgtaga actgcaggag actatctttc tagacaaggc
60agttgaggag gaggagcgc ttgaggggga ctggcctggc gtgcactccg cacctcgggg
120acattattgc gcgtggaacg gctgcttttg gaagactatt gccagaaga aaagatgttt
180ggttttcaca agccaaagat gtaccgaagt atagagggct gctgtatttg cagagctaag
240tcttccagtt ctgcattcac tgacagtaaa cgctatgaaa aggacttcca gagctgtttt
300ggattgcatg agactcgttc aggagacatc tgcaatgcct gtgtcctgct tgtgaaaaga
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387

<210> 3310<211> 422<212> DNA<213> Homo sapien

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60aaccggccg tgggatcccg gataggagga ggaggggacc cataggacgc gttaacatgg
120acttgaaaa caaagtgaag aagatgggct taggtcacga gcaaggattt ggagcccctt
180gtttaaaatg caaagaaaaa tgtgaaggat tcgaactgca cttctggaga aaaatatgtc
240gttaactgcaa gtgtggccaa gaagagcatg atgtcctctt gagcaatgaa gaggatcgaa
300aagtgggaaa actttttgaa gacaccaagt ataccactct gattgcaaaa ctaagtcag
360atggaattcc catgtataaa cgcaatgtta tgatattgac gaatccagtt gctgccaaga
420an

422

<210> 3311<211> 441<212> DNA<213> Homo sapien

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60caactgcaga actgcaggag actatctttc tagacaaggc agttgaggag gagggagcgc
120ttgaggggga ctggcctggc gtgcactccg cacctcgggg acattattgc gcgtggaacg
180gctgcttttg gaagactatt gccagaaga aaagatgttt ggttttcaca agccaaagat
240gtaccgaagt atagagggct gctgtatttg cagagctaag tcttccagtt ctgcattcac
300tgacagtaaa cgctatgaaa aggacttcca gagctgtttt ggattgcatg agactcgttc
360agagagatc tgcaatgcct gtgtcctgct tgtgaaaaga tggagaagt tgccagcagg
420atcaaaaaaa aactggaatc a

441

<210> 3312<211> 382<212> DNA<213> Homo sapien

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60aaccgactga cctggatagt agttgttctt cagtgtcttt ttccttggag ccactccttg
120aataacagct acttttttgt atggttatga tcccaaacct gcaggaaatc cactaaagc
180atagttgtat actatcttta actggttttt cactaggaat ctgcacatta
240atcttgacga gaggacttct acagagtctg agaagatc atcatgctga atctgatcat
300actgtttttt aaaagttaa ggataagaca tgtgtatatg taacaaaaca cattgcatct
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382

<210> 3313<211> 385<212> DNA<213> Homo sapien

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60cagcagtatt cgctattttg agatcacgga tgaatccccg tacgtccact acctcaaac
120attcagcagc aaggagcctc agagagggat gggttacatg cccaagaggg gacttgatgt
180taacaaatgt gagattgcca gattcttcaa acttcatgag agaaagtgtg aacctattat
240tatgactgtt cccaggaagt ctgacctttt ccaagatgac ctgtatcctg acacagcggg
300gccagaggcc gcgctggagg cagaagagtg gttcgaaggc aagaatgcag acccaatcct

360catctccttg aagcacgggt acatt

385

<210> 3314<211> 456<212> DNA<213> Homo sapien

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120agaagaggtg aagatatttg ttggattaaa accaataaaa acaatcctgg gaagactaag
180acttttagatc caaaggctgt ctttcagaga acaaaggaac actgcctcat ggggatcaaa
240ggaactgtga agcgtagcac agacggggac ttcattcatg ctaatgttga cattgactta
300attatcacag aagaacctga aattggcaat atagaaaaac ctgtagaaat ttttcatata
360attgagcatt tttgtcttgg tagaagacgc cttcatctat ttggaagaga tagtacaatt
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456

<210> 3315<211> 329<212> DNA<213> Homo sapien

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60gggggttgaa gcaaacgcac aagaagtttg ttctgggaag gctccggtag cgaaaaccga
120acttggggct ggatatttag aaaataaagc attcgcataa tacaatgaac tcataatttg
180gccggatgat ttgtaggcag ggacgtttta gtgtcggttt tacgagattc cttgatatat
240tacagaatta gagtccagat ttacaccaa aaggaccccc ttttctctct ccggaccacg
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329

<210> 3316<211> 414<212> DNA<213> Homo sapien

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60tggacgttcc acgccaagg tcagttcacc gggacctgga ggccagatt gcgacgtga
120cggagaacca ggcctgcag cagcagcttc accaggagca agagcagctc tacctgaggt
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240agatgggtgac tccactgac aagaacttct tctgaggaca gacaggaatg gccttgatga
300agatgacagg catggccggg gtcagctctt tcagccgcgc ttcagcgatg actccagtct
360gggtgtccca gcgagccct gcagggacag tatggctgag ggtcacgtgt gctg

414

<210> 3317<211> 380<212> DNA<213> Homo sapien

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120agctgtgctt tgggaagcag ctcttccttg aggctgtgga acggagccag gcgctgcccc
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240acccgcccat cgaggaccag ggtggggagt acgtgcagcc catgctgagc agtacgcgg
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380

<210> 3318<211> 427<212> DNA<213> Homo sapien

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120gttccctttt tgattttctt atccggctgc tcccctatca gacctcatct ttttaattt
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240ccagcttttg acaataactg cttttagaaa ctgtaaagta gttacaagag aacagttgcc
300caagactcac aatttttaaa aaaaaatgga gcatgtgtat tatgtggcca atgtcttcac
360tctaacttgg ttatgagact aacaccattc ctactgctc taacatgctg aagaaatcat
420ctgaggg

427

<210> 3319<211> 408<212> DNA<213> Homo sapien

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120aagtcttggg tttatcttaa tccattaaaa agttgttctt tgtttccagc ttgcattgat
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240cgtgtgtatt attcattatg gtagaatcat ttttaattca cgtgctttgt gttcagttt
300gtggtctgag agatgtacca attgtcaaat taccgtgtac cacctaattg ttataggaga
360aagcaaaata catcagcttg gtagttaaca catcanatat ttcttgct

408

<210> 3320<211> 393<212> DNA<213> Homo sapien

ggcacgagaa ggtgttacag cacatgaagg ccgtgcaggc agatcatgag cggcagaggc
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240aaagcaaatca ggccccgaaa tctaagtctg gctcccgtcc ccgcaagcca ccaccccgga
300agcacactcg ttcttgggct gtgctgaagc tgctgtgctg gctgtgctta tttggtgtgg
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393

<210> 3321<211> 423<212> DNA<213> Homo sapien

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60gattctgatg aatatgatga tgacgactct gcagcctcaa cttcatttca gccacagcct
120gttcaacctc agcaagggtta tttctctcca atggcacagc caggactgcc accagtacca
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300accagtcatt tttgcggtga aaacataatg atgccaatgg gtggaatgat gccacctgga
360ccaggaatac cacctctgat gcctggaatg ccaccaggta tgccccacc tgttccacgt
420cct

423

<210> 3322<211> 397<212> DNA<213> Homo sapien

ggcacgaggt tccacgcaa aggcctctgt ttgtacctgg cgttttcagc ctgccctgtc
60tcacgctgat tggctctcct aattttgggt acaggtcagt tcaccgggac ctggaggccc
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180agctctacct gaggtcaggt gtggtgtcct ctgccacctt cgagcagccg agtcgcccag
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300aatggcctt gatgaagatg acaggcatgg ccggggtcag ctctttcagc cgcgcttcag
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397

<210> 3323<211> 398<212> DNA<213> Homo sapien

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240ccttatatat atacagtttt ataaaaagag ccaatacact gaacctggct ccttatgatg
300cctgctggaa tgcctgtcga ggagacaggt gggaagactt gtccagatca catgtgcgct
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398

<210> 3324<211> 399<212> DNA<213> Homo sapien

ggcacgaggt tcgttgggcg gtgctggttt ttgctcgtc gactgcggct cttcctcggg
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120aatggcccg accaagcaga ctgctcgtaa gtccaccggt gggaaagccc cccgcaaaca
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300gctgtcatc cggaaagctgc ccttccagag gttggtgagg gagatcgcgc aagatttcaa
360aaccgacctg aggtttcaga gcgcagccat cgggtgcgt

399

<210> 3325<211> 439<212> DNA<213> Homo sapien

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120ggcagtagta cgagatgctt tacaacacag ctgacgagct cctgaacctg gtggtggacc
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439

<210> 3326<211> 429<212> DNA<213> Homo sapien

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360gccactaag ggaagccaat gaggaggttg cacttcgtgt accacaactt gtggcccaag
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429

<210> 3327<211> 449<212> DNA<213> Homo sapien

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240tttctgccaa tgttgaatcg ccaggatccc ttcactgttc atatggcagc aagaattatt
300gccaagttag cagcttgggg aaaagaactg atggaaggca gcgacttaca ttactatttc
360aattggataa aaactcagct gagttcacag aaactggcgt gtancggtgt tgctgttgaa
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449

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426

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455

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417

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414

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398

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374

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410

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417

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419

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(54) Title: HUMAN GENES AND GENE EXPRESSION PRODUCTS

(57) Abstract: The invention provides novel polynucleotides. The invention further provides novel members of protein families, and polynucleotides that are differentially expressed in cancer cells relative to normal cells, and in metastatic cancer cells relative to normal cells or non-metastatic cancer cells.

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C. DOCUMENTS CONSIDERED TO BE RELEVANT	
Category *	Citation of document, with indication, where appropriate, of the relevant passages
A	DATABASE EMBL [Online] ACCESSION NUMBER : AC004067, 31 January 1998 (1998-01-31) N.E. STONE ET AL.: "Homo sapiens chromosome 4 clone B366024 map 4q25, complete sequence" XP002155218 Sequence data
A	DATABASE EMBL [Online] ACCESSION NUMBER : R09152, 20 April 1995 (1995-04-20) L. HILLIER ET AL.: "yf25h12.r1 Soares fetal liver spleen INFLS Homo sapiens cDNA clone." XP002155219 Sequence data
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	1-3,9-13
	1-3,9-13
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.	
<input checked="" type="checkbox"/> Patent family members are listed in annex.	
* Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	
"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family	
Date of the actual completion of the international search 18 December 2000	Date of mailing of the international search report 22.03.01
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Hix, R

INTERNATIONAL SEARCH REPORT

Intern: 31 Application No

PCT/US 00/18374

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WO 97 40151 A (GENETICS INST) 30 October 1997 (1997-10-30) the whole document -----</p>	

INTERNATIONAL SEARCH REPORT

Inte. ational application No.
PCT/US 00/18374

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Claims 1 to 3, 9 to 15 partially

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application. as follow :

Invention 1: Claims 1 to 3, 9 to 13
{partially}

A polynucleotide library comprising the sequence SEQ ID NO: 1, an isolated polynucleotide comprising the nucleotide sequence having at least 90% sequence identity to SEQ ID NO: 1, a recombinant host cell containing said polynucleotide, isolated polypeptide encoded by said polynucleotide, antibody that binds specifically to said polypeptide and vector comprising said polynucleotide.

Invention 2: Claims 1-15 (partially and as far as applicable)

Idem invention 1 but limited to a polynucleotide library comprising the sequence SEQ ID NO: 2.

Inventions 3-3351 : Claims 1-15 (partially and as far as applicable)

Idem invention 1 but each invention limited to a polynucleotide library comprising a sequence SEQ ID NO: 3-3351.

INTERNATIONAL SEARCH REPORT

information on patent family members

International Application No

PCT/US 00/18374

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9740151 A	30-10-1997	AU 2459397 A	12-11-1997
		AU 2728697 A	12-11-1997
		CA 2251934 A	30-10-1997
		EP 0939807 A	08-09-1999
		EP 0954577 A	10-11-1999
		JP 2000508908 T	18-07-2000
		JP 2000508909 T	18-07-2000
		WO 9740069 A	30-10-1997
		US 5958726 A	28-09-1999
